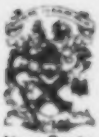


ANNUAL REPORT

for the year
ending July 31, 1984

Department of Education

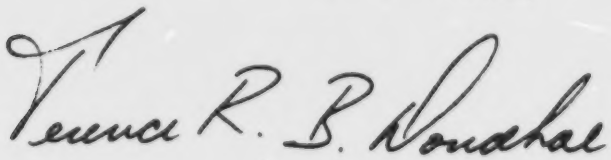
THE HONOURABLE ALAN R. ABRAHAM, C.D.
Lieutenant-Governor of Nova Scotia

Sir:

I beg to present herewith the report of the Department of Education for the year ending July 31, 1984.

I have the honour to be

Your obedient servant,



TERENCE R. B. DONAHOE
Minister of Education

HONOURABLE TERENCE R. B. DONAHOE, Q.C.
Minister of Education

Sir:

We have the honour to submit the annual report of the Department of Education for the year ending July 31, 1984.

We have the honour to be

Your obedient servants,

G. J. McCARTHY
Deputy Minister of Education

B. J. NICHOLSON
Deputy Minister
Vocational and Technical Training

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INTRODUCTION

As part of the Government's plan to implement the policies announced in the White Paper on Economic Development, a Deputy Minister in charge of vocational and technical training was appointed in May, 1984. This appointment was an important step in carrying out the Government's intention to give special emphasis to the development of the province's human resources and to ensure that Nova Scotians are well prepared for the employment opportunities that new technology and the development of natural resources will create.

Among other education events of special significance were the publication of a policy statement on Acadian schools in September, 1983, and a major statement on public school curriculum issued in February, 1984.

The Acadian school policy was issued after extensive study by an Advisory Committee and consultation with school boards. The statement specified goals for Acadian schools, guidelines for the use of French as the language of instruction, and the procedure to be followed to have a school designated as "Acadian".

The curriculum statement of February, 1984 was the culmination of a process which began shortly after the Commission on Public Education Finance reported in 1981, when the Minister of Education appointed a Public School Program Committee composed of representatives from the Department and various groups associated with public school education.

The curriculum statement outlined the mandatory program which all school boards must provide their students. While this program does not mean a radical change from the basic mandatory program which has been in place for many years, an important innovation was the introduction of the requirement that instruction in French as a second language be offered beginning no later than grade 4.

The statement also contained an announcement of initiatives in computer education and of plans to phase in programs of daily physical activity for all students. In computer education, the Department will be establishing a computer resource centre and will be taking several other initiatives to provide leadership and assistance in this field. Plans are being made to provide every student in grade 7 and 8 with instruction in the use of computers.

Other highlights of the year included the Canadian Education Association Convention in Halifax in September, 1983, with the

Department serving as host; the release of a new social studies text, *Nova Scotia: All About Us*; the service of Honourable Terence R. B. Donahoe, Q.C. as Chairman of the Council of Ministers of Education, Canada during 1983-84; introduction of a "Safe Graduation" program under which high school student councils were given incentives to make every effort to keep graduation events free from alcohol or other drugs; and the completion of an agreement for production of a Maritime Studies textbook to be used in all the Maritime Provinces.

These memorable events represented, of course, only a relatively small part of the Department's work during the year. In the following pages are descriptions of the many other, perhaps more prosaic, but essential tasks needed to ensure the people of Nova Scotia receive the educational services they require.

DEPARTMENT OF EDUCATION: ADMINISTRATIVE STRUCTURE

1. UNDER THE DEPUTY MINISTER OF EDUCATION

Following the appointment in May, 1984 of a Deputy Minister of Vocational and Technical Training, a reorganization of the administrative structure of the Department began. The following outline describes the structure at the end of the reporting year on July 31, 1984; however, it was expected that there would be further changes during the ensuing year.

Public School Operations

The Public School Operations area included the following divisions: Curriculum Development, Inspection Services, and School Planning and Conveyance.

The Curriculum Development division, which is responsible for elementary and secondary education programs, co-ordinates curriculum development, recommends appropriate instructional materials for inclusion in the authorized lists, and provides consultant services. It assists in the planning and implementation of in-service programs and has consultants in a variety of subject areas.

The staff of Inspection Services consult with school boards, school administrative staff, and the general public, and serve regionally as interpreters of Departmental policy and procedures.

The School Planning and Conveyance section monitors and provides advice on school construction and on the safe and efficient operation of pupil conveyance systems.

Education Programs

At the end of the year under review, Education Programs was composed of the following divisions: Education Resource Services, Ethnic Services, the Nova Scotia Teachers College, Publication and Reference, and Teacher Certification.

The Education Resource Services Program includes the Nova Scotia Museum, Education Media Services, and the Provincial Library. The Museum displays and interprets artifacts related to the natural, social, and marine history of the province, operates a number of historic buildings throughout Nova Scotia, and provides financial and advisory support to local museums. Education Media Services provides schools with the resources of a media library, an audio-visual equipment repair service, and various audio-visual pro-

ductions, including educational television programming. The Provincial Library co-ordinates the regional library service of the province and the union catalogue of library holdings in Nova Scotia and provides assistance to schools through a Co-ordinator of School Libraries.

Ethnic Services provides information and advice to other Departmental divisions and to local school systems on the development of programs designed to increase knowledge and appreciation of the contributions of all ethnic groups and of the multicultural nature of our society.

The Nova Scotia Teachers College provides a three-year teacher education program and also offers a variety of courses for teachers interested in furthering their professional education.

Publication and Reference publishes periodicals for teachers, consolidations of legislation, directories of schools, and various other bulletins related to education. This section also provides a general editing service for the Department, answers inquiries from the public and the news media, and helps to arrange publicity for Departmental events.

The Teacher Certification section supervises and maintains records on the registration and certification of teachers.

Finance and Budgeting

The Finance and Budgeting area included the following divisions: Financial Management, Public Education Grants, and Research. Also associated with the Finance and Budgeting area, for financial reporting purposes, are Teachers' Pensions and a Post-Secondary Education section.

The Financial Management division co-ordinates the budget presentation of the Department, controls the internal financial operations of the Department, operates a bureau which supplies school boards with textbooks and other learning materials, and maintains Departmental personnel records.

The Public Education Grants division co-ordinates the provision of education grants to school boards.

The Research division calculates grants to school boards in accordance with funding formulas, carries out educational research, maintains educational statistics, and provides advice on the development of management information systems for the Department.

The Teachers' Pensions section administers the provisions of

the Teachers' Pension Act and Regulations

The Post-Secondary Education section includes a Financial Analyst and a Student Aid Office which administers the Canada Student Loans and Nova Scotia Student Bursary programs. The Financial Analyst also liaises with the Maritime Provinces Higher Education Commission on financial matters.

2. UNDER THE DEPUTY MINISTER, VOCATIONAL AND TECHNICAL TRAINING

Vocational and Technical Training provides direction to:

(a) secondary vocational education, including the operation of 11 of the 14 vocational schools in the province (the remaining three schools are operated by district school boards);

(b) adult vocational training in two training centres and associated modules;

(c) applied arts and technology education through the operation of the Nova Scotia Institute of Technology, the Nova Scotia Nautical Institute, and the Nova Scotia Land Survey Institute;

(d) correspondence study courses through Extension Services of the Nova Scotia Institute of Technology;

(e) continuing education through regional representatives in all parts of the province;

(f) the administration of the Trade Schools Regulation Act;

(g) the placement and monitoring of disabled persons in vocational, technical, and on-the-job training programs and in university training.

PROGRAMS UNDER
THE DEPUTY MINISTER OF EDUCATION

PUBLIC SCHOOL OPERATIONS

CURRICULUM DEVELOPMENT

Mathematics and Computer Education

Following the Minister of Education's statement on Public School Curriculum in February, 1984, a consultant in computer education was seconded to the Curriculum Division, with full-time duties beginning in July. Work on the following projects began:

1. A computer literacy unit to be included in the curriculum of grades 7 and 8 was prepared and mailed to all junior high schools. Software to support the units of study was prepared during the summer months.

2. Nova Scotia was represented on a Council of Ministers of Education of Canada task force which was developing the criteria for a Canadian Educational Software Clearinghouse.

3. The Curriculum Development and Education Media Services sections jointly planned and began the work of establishing a teacher training and microcomputer resource centre.

The major emphasis in mathematics has been the introduction of the re-designed, integrated university preparatory courses at the high school level. A three-day provincial in-service was held in February at the Nova Scotia Teachers College for district representatives to introduce the major curriculum changes.

A supplementary teaching document for grade 9 mathematics was printed for distribution to all schools in September, 1984.

English Language Arts

During 1983-84, a new guideline, *English Language Arts 7-12*, was printed and distributed to the schools. A three-day provincial in-service for teachers of English at the junior high level was held in Halifax for representative teachers from each district to introduce the new guideline. An honors English task force was established to develop guidelines for honors English at the grade 12 level.

Social Studies

September, 1983, marked the official publication of the new social studies textbook *Nova Scotia: All About Us*. This text, written by Ivan Cassidy of Acadia University and published by Thomas Nelson (Canada) Limited, will be the major resource for grade 6 social studies.

In July, 1984, the Minister of Education announced the signing of the contract for the grade 9 textbook for the Maritime Studies course. The course, which will be taught in all three Maritime provinces, is scheduled for implementation in September, 1987 following the completion of a curriculum guide for the course by a task force of Nova Scotia teachers.

Science

The Maritime Junior High Energy Project, which was commissioned by the Council of Maritime Premiers, was completed for grades 7 and 8. The kits were distributed to schools and in-services were held in the three provinces.

In conjunction with the Canada-Wide Science Fair which was held at St. Mary's University, a provincial in-service was held to stimulate participation in science fairs.

The following safety bulletins were published: *Safety in the Chemistry Laboratory;* a *Safety Manual for Science Laboratories and Classrooms;* and a *Safety In-Service Bulletin.*

Guidance

Careers Ahead, General Admission Requirements for Universities, Colleges and Institutes, and *Guidance Newsletter* were published by the Department and distributed to schools. In addition, in-services were held to train more school personnel in the use of the CHOICES computerized career information system.

Music

Work has been completed on two music guides designed specifically for Acadian and French immersion schools. This was a co-operative effort between the University of Moncton and a task force of Acadian music teachers from Prince Edward Island and Nova Scotia. Book I is already in wide use in New Brunswick, Prince Edward Island, Nova Scotia, and Newfoundland.

Industrial Arts

A needs assessment project in industrial arts was conducted during the last year, involving representatives from industrial arts teachers, industrial arts students, school administrators, universities, parents, school boards, the Nova Scotia Teachers College, and teacher education departments of universities.

The following new curriculum materials have been introduced in industrial arts: *An Industrial Arts Resource Book; A Book of Project Ideas; Home Technology;* and *Power Technology.*

Daily Physical Activity

As a result of the Minister's statement on Public School Curriculum, (February 7, 1984), a task force began work on a classroom teacher-oriented curriculum guide on daily physical activity. The Minister's overall plan includes piloting these curriculum materials in the 1984-85 school year, a two-day in-service with training teams from each of thirteen pilot schools, and a provincial in-service with all district boards. Development of similar programs for grades 4 to 6, 7 to 9, and 10 to 12 in subsequent years is planned.

Special Programs

An Administrative Handbook entitled *Special Education Resource Programs* was produced, a task force was convened to develop guidelines to assist schools in providing appropriate physical education for handicapped school children, and the present guidelines for programs for trainable mentally handicapped and educable mentally handicapped children were evaluated.

The Department conducted three meetings with provincial administrators of special education for the purpose of sharing ideas, solving problems and broadening the understanding of the issues.

The special program consultants reviewed alternative programs in schools under the jurisdiction of two district school boards, as part of general education surveys done at the request of the boards. The review considered criteria and processes for student placement, courses offered, use of Department of Education guidelines and authorized instructional materials, methods of instruction and evaluation practices, options available to students completing these programs, and types of in-services provided to teachers of alternative programs.

Language Education

An initial meeting, held for representatives of boards wishing to implement an elementary French program at the grade 4 to 6 level, provided information on program funding and implementation. This was followed by meetings in each district.

The Department of Education, in co-operation with Université Sainte-Anne, planned and carried out a four-week immersion program for 50 teachers who will be involved in introducing French to grades 4, 5 and 6. Forty bursaries were awarded to teachers for improvement of their French oral and methodology skills by means of this program, which was held at the Nova Scotia Teachers College. An additional ten bursaries were awarded to teachers who attended a modified immersion program at the University College of Cape Breton during the same period.

The Department administers the Official Language Monitor Program for Nova Scotia as part of its commitment to the Council of Ministers of Education, Canada. In 1983-84, there were 26 part-time monitors, each offering six to eight hours of service per week to five district school boards and five universities. There were also four full-time monitors, each offering 25 hours of service per week to two Acadian districts and one Anglophone board.

Language Education — Acadian

A supplement to the mathematics teaching guide for grades 3-6 (*Points de repère en mathématique*) was completed and a French guide for the teaching of drama in grades 7-12 was distributed to the schools.

Work was done on three other guides (*La musique à l'élémentaire, 4e à 6e année, La science politique, 12e année, Les sciences naturelles, 7e à 9e année*), and on a supplement (*Education physique, M à 3e année*).

Task force meetings were held in junior high science and political science and a meeting of curriculum supervisors was held to discuss the development of a French language arts guide for grades 10-12. The French versions of various Department publications were revised (*Careers Ahead, Public School Programs, List of Authorized Instructional Materials*).

A provincial in-service was organized and conducted for teachers of grades 7 to 9. Curriculum Development staff also worked with a number of committees on the development of French materials and testing programs for the Acadian Schools.

Curriculum Development staff administered the following bursary programs funded by the Federal Department of the Secretary of State:

- a summer language bursary program (for immersion courses) under which 439 bursaries were awarded to Nova Scotia post-secondary students for a total value of $553,140;

- a minority or second-language teacher bursary program under which bursaries of varying amounts totalling $137,929 were awarded to 137 teachers of French either as a language of instruction or as a second language;

- a full-time bursary program designed to provide students with an opportunity for immersion in a milieu conducive to the study of their second language or to encourage official minority-language students to pursue post-secondary studies in their own language. Bursaries were awarded to 122 students for a total value of $116,245.

INSPECTION SERVICES

There are eleven inspectors of schools, one assistant inspector of schools and twelve secretaries located in field offices across the province. The central office administrative staff consists of a director, an assistant director and two secretaries. The assistant director is primarily responsible for school system surveys, evaluations, and work related to the high school achievement testing program.

The professional staff of Inspection Services, as the Minister's field representatives, worked closely with school boards in resolving problems which arose in their respective jurisdictions and in developing good communication links between the Department, the school boards and the public. The boards receive leadership from the inspectors in determining policies and procedures compatible with department policies, particularly with respect to matters related to formula funding.

The Inspection Services field offices also provide an important communications and public relations function as a source of information and in resolving problems which may arise from time to time respecting board policies or the application of the Education Act and Regulations. In addition to providing their leadership and advice on all matters of public education, the inspectors worked on a regular basis with the boards' senior administrators in collecting

and verifying data on enrolments, teachers, property services and pupil transportation for the purpose of determining provincial funding grants.

The inspectors were instrumental in arranging for in-service training for teaching staffs on matters related to curriculum changes, guidance services, and the use of computers. All other teacher in-services, organized at the board level, were reviewed by the inspectors.

The inspectors' offices have provided leadership in organizing and co-ordinating teaching effectiveness committees to assist school boards in establishing or improving evaluation policies and procedures.

During the year, two school system surveys were conducted and work was begun on a third. There is a growing demand from school boards across the province for system surveys to assist in improving the delivery of educational services in their respective districts. It is expected that a minimum of two school system surveys will be conducted each year.

SCHOOL PLANNING AND CONVEYANCE

School Planning

The following school capital construction projects, with a total value of $7,199,501, were approved during the fiscal year, 1983-84. The projects consisted of one new elementary school and additions and alterations to four other schools.

Date	*School Board*	*School*
Aug. 24/83	Hants West District	Falmouth Elementary
Feb. 21/84	Pictou District School Board	Trenton High School
Feb. 21/84	Halifax County - Bedford District School Board	Humber Park Elementary
Feb. 21/84	Hantsport	Hantsport School
March 6/84	Colchester - East Hants District School Board	Hilden Elementary

Three projects were completed during 1983-84. Two projects were additions to elementary schools, and one was a major renovation to a secondary school. In total, the projects included 12 classrooms, 1 gymnasium, and 3 specialist areas.

The Department of Government Services carried out all planning and construction-related activities on the approved and completed projects for the Department of Education, on behalf of the school boards.

Nine emergency projects, with an estimated cost of $748,144, were approved during this period.

The School Planning Division worked on the preparation of a School Planning Manual for use by government departments and agencies, school boards and consultants involved in school planning.

Staff also participated in school system surveys, under the leadership of Inspection Services.

Pupil Transportation

Consulting services were provided to school boards concerning the identification of eligible students for transportation funding purposes, in accordance with the Regulations.

Staff continued to be involved in conducting comprehensive conveyance system studies for school boards in an effort to streamline school conveyance operations, to improve service, and to reduce pupil transportation costs.

Computerized school bus routing programs, developed by private sector organizations, have been analysed to determine their value and applicability to pupil transportation systems operated by school boards.

Staff participated in the Nova Scotia Safety Council Conference, which involved both vehicle and industrial safety within the private sector, but which also had application to school transportation systems. Staff also participated in the Fourteenth Annual Pupil Transportation Conference, held in Dartmouth. The conference continues to promote school transportation safety, efficiency and economy.

The Dr. H. M. Nason Achievement Award for 1983, recognizing special achievement in efficient, safe pupil transportation, was presented to the Northside-Victoria District School Board. The Second Place Award was presented to the Queens District School Board, by the Department of Education, the Department of Transportation,

and the Board of Commissioners of Public Utilities.

Pupil Transportation staff participated in school system surveys and were involved in follow-up consultation with the school boards.

Staff served on the Advisory Committee on School Bus Safety, which continued to work for increased public awareness of school bus safety and focused particular attention on developing materials on safety that could be of benefit to parents, teachers and students.

EDUCATION PROGRAMS

TEACHER CERTIFICATION

Prior to August 1, 1983, initial teacher certification was based on the number of years of approved study completed beyond high school. The basis has now been changed so that initial teacher certification is determined by the completion of approved teacher education programs. Graduates of the Nova Scotia Teachers College who complete the Associate of Education Program receive a Teacher's Certificate Class 4. University graduates who complete an approved teacher education program receive a Teacher's Certificate Class 5. The new procedure simplifies the certification process and provides the same level of certification for all graduates of the same programs.

Some 791 experienced teachers received higher certificates on the completion of further study.

Regular certificates, special certificates, and permits were issued as follows:

Teacher's Certificates,	Class 8	41
	Class 7	202
	Class 6	435
	Class 5	1,348
	Class 4	415
	Class 3	46
	Class 2	25
	Class 1	5
Regulation 77 A & B		23
Vocational Teacher's Certificate		48
Teaching Permits		11
Vocational Teaching Permits		26
	TOTAL	2,625

NOVA SCOTIA TEACHERS COLLEGE

The Nova Scotia Teachers College is examining ways to improve its pre-service teacher education programs, and to improve its offerings to practising teachers and school boards. An internal program review of pre-service programs is coming to a conclusion, and recommendations for improvement are to be presented in the fall of

1984. With regard to offerings for practising teachers and school boards, an advisory committee of superintendents from three district school boards has been meeting with the College's professional development committee to give guidance on what in-service sessions and courses, both credit and non-credit, would be of most value to practising teachers. In addition, the College maintains a close working relationship with the Curriculum Division of the Department of Education, to ensure that school curriculum changes are taken into account in planning both pre-service and in-service programs.

Enrolment at the College this year was approximately the same as for the past five years — a total of 332 in all three years of the five teacher education programs. One hundred students graduated on May 19, 1984. About 16 percent of the graduating classes of the past three years have gone directly to the universities offering the joint NSTC-university B.Ed. degree. Twenty-six percent of those responding from the class of 1983 had obtained full-time teaching positions, according to a survey of graduates from that year. In spite of the well-publicized difficulty that new teachers have in obtaining teaching positions, pressure on admissions remains strong, and the College continues to turn away many of those applying in order to restrict new admissions to a level of 120 per year.

Because certification regulations now require teachers to take courses that are part of a degree program, enrolments in the Nova Scotia Teachers College Summer School and Evening Extension courses have decreased by about 125 since the 1982-83 term. There has been an increase, however, in enrolments in non-credit courses and in in-service sessions. Thirty-one members of the Teachers College faculty conducted 134 in-service sessions for 4,202 participants.

To make the best use of its facilities and services, the College has made a point of encouraging school groups, teachers, educational associations, and other divisions of the Department of Education to hold conferences and meetings on campus. Since faculty and students can often become involved in these meetings, the policy works to their benefit as well. Modest rental fees to those outside the field of education ensure that community use of the Outdoor Field Study Centre at Manganese Mines pays for its operation, and that revenue is raised to offset some of the operating costs of Forrester Hall and the gymnasium. Rental fees for facilities amounted this year to $13,665, while tuition and residence fees totalled $825,168. Total revenue for the College was $1,079,921; total expenditures were $4,369,270.

The use of College facilities for other Government programs, when these facilities are not required for teacher education, has ensured that available resources are put to the best possible use. Such programs operating at the College include the Child Development Services Program for training day care workers, and programs in adult vocational education.

EDUCATION RESOURCE SERVICES

Nova Scotia Museum

Administration

The Nova Scotia Museum Complex, with headquarters on Summer Street in Halifax, operated 21 branches in the province, with three branches open year round. Total attendance for the Complex was 550,660, including 36,260 school visits. In addition, approximately 54,000 school children used museum kits.

The Museum assists in the preservation of provincial heritage resources through the operation of the Complex, the administration of the Special Places Protection Act and the administration of the Museum Assistance Policy which includes provision of both advisory and grant services for local museums. Grants were given to 45 local museums.

A new section, Museum Services, was created. This section continues the functions of the former Operations and Development, and Administration Sections. The Science Section officially changed its name to Natural History to reflect more clearly its function within the Museum and the community; that is, dealing with geology, botany and zoology.

Professional contacts between staff and other agencies included work on a wide range of projects and subjects and involved government and private institutions and organizations in Nova Scotia, the rest of Canada, the United States and abroad.

Collections

A most significant accession was the Hopps Collection of approximately 3,000, 17th century items of Micmac manufacture and a wide range of trade goods of European manufacture. In addition two steam locomotives were received as donations for the proposed Museum of Industry and Transportation. Through a federal grant,

history records continued to be entered into the Canadian Heritage Information Network computer system.

In Natural History, priority was given to the care and cataloguing of material already in the collection. There were, however, additions of field collections of plants, insects, fish, small mammals and fossils, and useful donations of marine invertebrates and vascular plants. Cataloguing of collections and maintenance of site files continued, using the section's computer.

Among the items acquired in the marine history (Maritime Museum of the Atlantic) collection was the Hugh F. Pullen collection of swords, dirks and medals; the Dr. R. Campbell collection of books, plans and photographs; and oil paintings of two Nova Scotia vessels, *Marlborough* (built in 1863) and *Quebec* (built in 1867).

Archaeological projects included the excavation of an early 18th century house at Belleisle, part of a pre-expulsion Acadian settlement. The lower Annapolis River and Basin were surveyed for Acadian sites and a co-operative project with Parks Canada initiated. The salvage of a petroglyph site at McGown Lake, Queens County, and an 18th century stratum at a building site in Halifax were also noteworthy.

The ability to work on the conservation of the Museum's collection was enhanced by the furnishing of the conservation laboratory (at the Maritime Museum of the Atlantic), thanks in part to a conservation grant from the National Museums Assistance Program and a six-month internship undertaken by the Museum's conservation technician at the Canadian Conservation Institute in Ottawa.

A collection management policy for the Complex was prepared and received the approval of the Board of Governors.

Communication

The much-used public information and identification service of the various museum sections and museum libraries continued. An estimated 20,000 enquiries were received.

Public programs at the Summer Street and Water Street facilities were based upon temporary exhibit themes; topical events (e.g., discovery of Micmac rock carvings, Christmas, spring flowers and the Newfoundland seal hunt); and museum skills (model- mak-

ing, identifying, lab and field work). Most winter programs were directed towards adults. The summer activity room, planned and operated in 1984 by a student intern from the University of Toronto Museology program, was popular with families and children's groups. A valuable analysis resulted from the work.

A highlight was the popular exhibit on amphibians and reptiles which introduced new features such as a computer game. Promotion and program support for the exhibit helped attract 50 percent more visitors than in the comparable period of 1983. Special mention should be made of "Frogwatch", a nature project that attracted participation from over 1,200 Nova Scotians in 700 different communities, reporting early frog calls via a toll-free telephone number.

In addition, the Maritime Museum of the Atlantic was the focal point for the very successful Parade of Sail with *CSS Acadia* being the communications centre and the boatshed a drop-in centre for crews. Three staff members gained valuable sea experience onboard the oceanographic vessels *Westward* and *Oceanus* and the sail training ship *Dar Mlodziezy*.

Nova Scotia Museum foyer exhibitions included:

Produced by the Nova Scotia Museum: *Specimens of China: Selections from Natural History Collections; 'Tis the Season; Atlantic Glass '83; Recent Archaeological Finds in Halifax; Reptiles and Amphibians; Aviation '84*.

From Other Museums: *Collecting Our Natural Heritage* (National Museum of Man and Nature); *The Creative Tradition* (Provincial Museum of Alberta); *Omingmak, The Muskox* (National Museum of Natural Science).

Other Nova Scotia Museum-Produced Exhibits: *The Ox in Nova Scotia* (travelling exhibit); *Salt Marsh*, national tour (travelling exhibit); *Bluenose* (an exhibit at the Fisheries Museum of the Atlantic).

In accordance with the Nova Scotia Museum's travelling exhibition policy, 26 temporary and travelling exhibitions from 12 sources were given 42 showings in 19 centres (6 of them out-of-province).

At the Maritime Museum of the Atlantic, improvements were made to various aspects of all the galleries and the major task of redesigning the "Days of Sail" gallery was begun with a completion date planned for late 1984. Twelve temporary exhibits were mounted on subjects such as the Port of Halifax, the wreck of the

Atlantic, marine models, the Parade of Sail, the Battle of the Atlantic, sailors' valentines, the *Tallahassee*, and the Halifax Explosion. Two other exhibits by UNICEF and the Shell Society of Nova Scotia were also shown.

At the main branch on Summer Street, 40 volunteers trained by museum staff taught museum classes in nine subjects to approximately 9,000 students. Since limitations on space and volunteer hours currently prevent expansion of the program, efforts have been directed towards spreading the service more evenly among schools, and providing better materials to assist self-touring groups.

The school loans program provided loan material on about 25 subjects through 15 distribution centres around the province. Some 1,800 transactions were recorded in 1983-84, with a 26 percent increase in the Halifax metro area. Two new loan kits (*Salt Marsh* and *Plants of Nova Scotia*) were released. Translation of kit materials continued. The comprehensive *Learning Resources Catalogue* now reaches every teacher in the province via *Education Nova Scotia*, the Department's regular bulletin for teachers. This Department publication also carried "Infos" - four-page information leaflets prepared by the Museum. Three new titles, *Frogs*, *Turtles* and *Snakes*, were also distributed in this period, as well as French translations of previous titles.

Nova Scotia Museum publications included *The Amphibians and Reptiles of Nova Scotia*, a revised *Animal Signatures* and a full-color poster of amphibians and reptiles. One copy of each new publication was distributed to each public library. The resource book, *Natural History of Nova Scotia*, being prepared jointly with the Department of Lands and Forests, was distributed in draft form for public comment and has now been extensively revised. The final form is expected to be available in late 1984. Two issues of *The Occasional* were published.

Promotional efforts continued, with a regular printed program of events, public service announcements and radio programs. Television spots were tried for the first time, as was a tabloid supplement to newspapers. New publications were promoted via mailouts and some special bookstore visits. Increased contact with the Department of Tourism and new promotional vehicles such as a museums tabloid supplement to daily newspapers were launched.

Consultants were engaged to develop further a proposal for a Museum of Industry to be located in Pictou County. The study included an analysis of the collection and potential collections for the proposed museum. Preparations were made for repairs to the

Shand House in Windsor which is scheduled to open as a branch of the Nova Scotia Museum in 1985.

Education Media Services

In late 1983 Education Media Services, together with the Provincial Library, moved to new quarters on Bayers Road in Halifax. A significant benefit of the move was that it allowed the video studio, formerly in the Trade Mart building, to join the other units of Media Services. This change facilitated co-operative work by all staff involved in production - graphics, photography, filmstrips, video.

For the first time, demand for films has begun to drop. The requests decreased by 13 percent to 90,503; while the number of bookings completed was down by 9 percent to 60,361. This may be attributed to the increase in demand for videotaped programs which doubled during the year to 8,121. Another factor is the Department's use of the Atlantic Satellite Network as a means of providing access to video resources. Programs are telecast on this network and schools are encouraged to copy them "off-air". Since this service was begun midway through the year, the level of use has not yet been determined.

The audio duplicating service provided 1,290 audio cassette programs to schools. A revised catalogue of audiotapes has been prepared and will be printed in the near future. A new catalogue for videotapes and a supplement for 16 mm films were printed and distributed.

The Department continued its transmission and production arrangement with the CBC. Twenty-seven series were telecast, supporting a number of subject areas of the elementary curriculum. A survey of schools indicated that 72 percent of schools are using this service.

The ATV service was used to broadcast the telecourse "Bits and Bytes", a teacher's introduction to computers. Approximately 1,100 teachers purchased the texts and enrolled in the course. Since the telecasts, a number of schools have obtained copies of the tapes for local in-service use.

Although Education Media Services does not have a direct involvement in the use of cable television, support was given to the Colchester-East Hants District School Board and Mount Saint Vincent University in their use of four cable stations.

The major production of the year was a series of three films on Acadian history co-produced with the CBC and involving the participation of the other two Maritime Provinces, under the aegis of the

Maritime Education Foundation. Funding was provided by the three Departments, the Council of Maritime Premiers, the Secretary of State, and the CBC. The films are based on an archaeological excavation of a pre-expulsion Acadian farm site at Belleisle near Annapolis. The excavation was carried out by the Nova Scotia Museum and the archaeological group also played a crucial role in planning the films. Fortunately, the site proved to be exceedingly rich in artifacts which, together with Azor Vienneau's specially done paintings and a series of short dramatizations, formed the basis of the films. These films will be companion pieces to the series *La Survivance* completed in the previous year.

Education Media Services also undertook a number of in-house productions: English language versions of *La Survivance*; three adult skill training programs on cooking and on electronics; three documentaries for adult education; three in-service programs for senior high English teachers; a program on the Annapolis Tidal project; an educational advertisement for the Red Cross; and, finally, two archival programs on oxen.

The work of the Graphics/Print and Photography units was primarily devoted to the needs of the Museum complex. In conjunction with other staff, however, the two units completed four media kits and a total of fourteen sound filmstrips. In addition, 16 audiotape programs were produced. One of the filmstrips co-produced with the National Film Board won the prestigious New York Film Festival gold award. The videotape "Machine Trades", completed the previous year, was successful in winning a National Educational award.

Production was begun on the following topics: daily physical activity, writing at the junior high level, community schools, career training at the Nova Scotia Land Survey Institute, physics experiments, Maritime resources, training at regional vocational schools, technical and vocational training, and special education.

The Equipment Repair unit introduced a small service fee of $5.00 for each item repaired. This change resulted in income matching the overall expenditure for parts and supplies. During the year, the two technicians repaired 1,905 pieces of equipment.

Provincial Library

During the year the Provincial Library, along with Education Media Services, moved from its Spring Garden Road location to the St. Andrew's School building on Bayers Road in Halifax. The actual move took place between November 25 and December 15, 1983 and was

accomplished smoothly thanks to careful planning and the co-operation of the Department of Government Services.

Public Library Services

The Western Counties Regional Library was the recipient of the Herbert Robertson Banks Novascotiana Collection containing over 3,000 items related to Nova Scotia literature, history, and culture of the last two centuries.

The Cape Breton Regional Library discontinued its bookmobile service to schools in Cape Breton County at the end of June, 1984. A new, smaller vehicle was acquired to provide service to a larger segment of the population of the County.

All of the regional libraries participated in a summer reading program co-ordinated by the Children's Interest Group of the Nova Scotia Library Association. The winners of the program in each region appeared on the CBC "Switchback" program in October.

The Nova Scotia Provincial Library has been participating in the formation of a Canadian Union Catalogue of materials for the handicapped being compiled by the National Library of Canada. This file will provide handicapped Canadians a much wider access to materials in special format by letting them know where these materials are available in Canada and by facilitating interlibrary loans. Talking book holdings are being entered into this file locally using the National Library's DOBIS system. The Provincial Library now has access to the location of special materials in the same way it has for print materials.

Reference Services

There was a 22 percent decrease in the number of reference questions, but a significant increase in their complexity was noted. Fewer "quick reference" questions are being received. Instead, most questions now require extensive searching, using automated as well as manual sources.

Accessions to the Nova Scotia Union Catalogue decreased by 17 percent, reflecting the use of UTLAS by Dalhousie University Libraries as of January, 1984. Conversely, this caused an increase in the searching workload. A total of 31,751 location searches were performed, a 5 percent increase over last year. This continuing heavy use of the interlibrary loan and location service affirms the importance of the Provincial Library's resource-sharing network.

Renewal of the DOBIS contract with the National Library of

Canada made it possible to offer this resource-sharing service. Until March 31, 1985, the contract provides as well for maintenance of the Nova Scotia Union Catalogue on-line via the DOBIS system. After two years, there is now virtually no input backlog, as there would have been had the catalogue been maintained in card format.

Continued co-operation with the Public Legal Education Society enabled the PLEA line to remain operative, making legal information more accessible to the public.

School Library Services

One of the high points of this past year was the publication of the Department of Education statement on school libraries in the *Education Nova Scotia* bulletin dated September 7, 1983. This statement resulted in a large increase in the number of requests to the Co-ordinator of School Libraries for assistance in planning for library development, especially in a number of the newly-formed school districts. Meetings and in-service sessions related to library planning were held with personnel from Hants West, Shelburne, Inverness, Guysborough, and Annapolis. Information packets on various aspects of school library development were prepared and sent to the above districts, and to the district library committees in Digby and Pictou. A carefully prepared document on library policy was produced by the Digby Committee whose Board has generously agreed to share the document with other districts.

The increasing use of volunteer workers, especially in the smaller school libraries, has created a need for training sessions. Workshops in basic cataloguing and classification and general library organization were held by the Co-ordinator in individual school libraries in Guysborough, Colchester-East Hants and Hants West.

During the year the Co-ordinator served on Department of Education survey teams in the Districts of Inverness and Shelburne, took part in meetings and conferences of the Halifax Library Association, the Nova Scotia Libraries Association and the International Association of School Librarianship, to which she was elected Councillor for North America on the Board of Directors. Local school library personnel met with a representative from Statistics Canada to discuss the future of the national survey of school libraries.

Technical Services

Technical Services continued to provide centralized cataloguing and processing of library materials to ten regional public libraries and the Provincial Library. New titles totalling 12,155 were catalogued, classified, and added, with holdings information, to the database maintained through the facilities of UTLAS. New libraries were added to the lists of holdings for 10,173 titles previously catalogued. Some 49,815 volumes were processed and shipped to the regional libraries.

Six editions of COMCAT, the microfiche catalogue of the post-1980 acquisitions of the regional libraries and the Provincial Library, were produced. The July, 1984 edition consisted of 234,804 entries (subject, title, author, editor, etc.) for 48,394 titles. Seventy copies of this catalogue were distributed bimonthly, through regional library headquarters, to public library branches and bookmobiles throughout the province.

The move from the Law Courts Building to the St. Andrew's School building was accomplished without interruption to the regular shipments of processed books to the regional libraries.

Statistical Summary

Libraries served:	10 Regional Public Libraries 1 Provincial Library
New titles catalogued:	12,155
Repeat titles:	10,173
Total titles:	22,328
Total volumes processed:	49,815

ETHNIC SERVICES

During 1983-84, the Ethnic Services section increased the number of ethnic and community groups with which it co-operates and expanded its liaison with relevant provincial and federal government departments and committees. Once again, areas addressed included teacher preparation, school-community relations, school-organization and methods, curriculum, and learning materials and resources as they relate to four basic areas of concentration: human rights education; ethnic and cultural studies; multicultural education and international education.

Ethnic Services staff were involved in facilitating the introduction of a Human Rights Education Program for the teacher training

institutions in Nova Scotia; acted as judges of human rights essay contests as well as resource persons and guest speakers at human rights school conferences; and participated in community discussions of human rights issues and concerns especially as they relate to education. Involvement also continued with the Joint Human Rights/Education Committee within the Department as well as with other provincial and federal government groups involved with human rights.

In ethnic and cultural studies, staff continued consultation and participation in seminars and conferences with those groups with the most pressing needs, such as Micmacs, Blacks and the other groups represented by the Multicultural Association of Nova Scotia. Ethnic Services assisted in the formation of the Society for the Study of Ethnicity in Nova Scotia and, on the national level, participated in the Canadian Ethnic Studies Association Annual Conference.

Ethnic Services staff have been very active members of the Multicultural Education Coordinating Committee and will be participating in the upcoming Second National Conference on Multicultural and Intercultural Education. Staff have also been involved in a Multicultural Information seminar sponsored by the Regional Office of the Secretary of State, and have continued involvement with the Multicultural Association of Nova Scotia.

In the area of International Education, Ethnic Services continued liaison with institutions such as the Beaton Institute at the University College of Cape Breton, the International Education Centre at Saint Mary's University, the African Studies Centre at Dalhousie University, as well as a number of both government and non-government organizations involved in international and/or development education programs and issues.

PUBLICATION AND REFERENCE

Information was provided in response to telephone and written inquiries and questionnaires from students, teachers, parents, the news media, other education departments or institutions, and the general public.

Publicity was arranged, and planning and reporting services provided, for meetings and conferences of various provincial, regional and national organizations and groups associated with education.

General publications of the Department included the annual directory of schools and the *Education Nova Scotia* bulletin, con-

taining official notices, articles on Departmental policies, and miscellaneous information for teachers.

Assistance was provided by the Publication and Reference section to other sections of the Department in the production of curriculum documents, course calendars, and newsletters.

Announcements requiring rapid distribution among educators throughout the province were issued as mimeographed releases.

FINANCE AND BUDGETING

RESEARCH

Administration and Operations

Research carried on a wide range of services for the Department, school boards and individual schools to assist in planning, making policy decisions, and carrying out those decisions.

As part of a continuing effort to improve information systems, Research personnel meet frequently with representatives of the Teacher Certification section and the Department of Government Services to plan and develop a new teacher file. The new file will replace the current system which was developed in 1971.

Again, as part of the same effort to reduce duplication and to improve information systems, data processing activities that were formerly shared by Public Education Grants and Research were consolidated under the Research office. The combination of the common activities into one unit has resulted in saving time in processing data on teachers and has eliminated duplication of work by the two offices.

Revisions were made to the school attendance and statistics register to keep the register current with changes occurring in the school systems. Many of the forms used to collect pupil and teacher information were reviewed and changed to ensure the information collected meets current needs.

Testing Programs

The Nova Scotia Achievement Tests were again administered to all grade 9 and grade 12 pupils. The results of these tests supply information to schools on the academic skills attained by their pupils over the years. Five subjects in the core areas of learning are measured and reports on individual students, schools, and school districts are prepared. Workshops are held throughout the province to aid administrators in the interpretation of results. A total of 22,058 pupils were tested in this program.

The Standards Project for 1983-84 involved a sample of grade 6 pupils (1,500). This project produces provincial norms which can be used by schools in assessing academic skill development for individual pupils and for classes and schools. The information is reported to schools in a bulletin form, complete with tables and information on how to use and interpret the test results.

The General Educational Development Program by which adults can earn high school equivalency diplomas continued. A total of 2,410 adults wrote the tests this year and 2,019 or 84 percent received a grade 12 equivalency diploma.

PUBLIC EDUCATION GRANTS AND FINANCE

Public Education Grants and Finance is the division responsible for the co-ordination of provincial grants to public school boards. These grants account for more than 80 percent of the Department's ordinary expenditures.

Global funding is provided to school boards on a formula basis and special purpose funding is provided for special education, adult education, driver education, summer school, board of pupils, and capital equipment and minor repairs.

The division maintains close liaison with school board officials and performs audits and routine checks on expenditures of formula grants.

FINANCIAL MANAGEMENT

The Financial Management Section is responsible for controlling the internal financial operations of the department, co-ordinating the preparation of the department's budget presentation, and maintaining personnel records.

This section also operates the Nova Scotia School Book Bureau, which is the storage and distribution centre for the over 3,500 texts and other learning materials prescribed for use in the public schools of Nova Scotia. The bulk purchasing procedures and central warehousing facilities of the Bureau ensure that these materials are made available to boards at the lowest possible cost. Further information describing the Bureau's operations is given in the statistical table section of this report.

TEACHERS' PENSIONS

The number of pensioners increased this year by 131 (3.5 percent), for a total of 3,884.

The rate of interest for the school year commencing August 1, 1983, on contributions payable for the purchase of past teaching service, was decreased from 17.32 percent to 13.37 percent per annum compounded semi-annually.

In accordance with the Regulations, all existing pensions were increased by 6 percent effective January 1, 1984.

Further details concerning Teachers' Pensions are given in the statistical table section of this report.

UNIVERSITIES AND COLLEGES

Operating grants to universities and colleges totalled $144,536,777 in the 1983-84 fiscal year, representing an increase of $10,474,363 or 7.8 percent over similar grants of $134,062,414 provided in 1982-83. Allocation of these grants among the various institutions is shown in the statistical table section of this report. In addition, restricted grants of $2,371,342 were provided to assist the institutions with equipment purchases and building renovations and alterations. Capital debt charges grants of $9,074,104 were also provided to the universities to offset principal and interest payments due to the Province on outstanding capital loans.

A new capital loan of $330,300 was approved and advanced during this fiscal year to assist the University College of Cape Breton with costs incurred in the construction of their campus. Capital advances of $995,207.67 were also made in 1983-84 to Dalhousie University on a loan previously approved for the reconstruction of the Forrest Building.

During the 1983-84 fiscal year, the Province agreed to participate financially in two regionally-funded projects: the Atlantic Veterinary College, to be located in Prince Edward Island, and the Maritime Forest Ranger School which will be located in New Brunswick. Nova Scotia's maximum capital contribution to assist in the construction of the former project will be $5,840,000, in 1983 constant dollars, while the maximum for the Maritime Forest Ranger School will be $4,542,800.

Enrolments in universities and colleges in Nova Scotia increased a further 6.5 percent in 1983-84 and were as follows:

	1983-84	1982-83
Full-time enrolments		
Degree	22,500	21,087
Technical	981	975
Full-time equivalent of part-time enrolments	3,623	3,384
Total	27,104	25,446

The differential fee for foreign students was increased to $1,300 in this fiscal year, up from $1,000 in 1982-83. The number of full-time equivalent foreign students in Nova Scotia universities decreased to 1,654 in 1983-84 compared to 1,691 the previous year.

STUDENT AID

The Student Aid section of the Department of Education administers the Nova Scotia Bursary Program and, on behalf of the Government of Canada, the Canada Student Loans Program. The objective of these programs is to provide financial assistance, in the forms of provincial bursaries and federally-guaranteed loans, to eligible post-secondary students to ensure that all qualified students have the opportunity to meet their educational potential.

During the 1983-84 academic year, the maximum Canada Student Loan was increased by $43.75 per week of study to $100 per week, compared with a maximum of $56.25 per week during 1982-83. As a result of this increase, maximum financial assistance available to a student enrolled in a normal university undergraduate program in the 1983-84 academic year was $5,100; of which $3,400 was in the form of a federally-guaranteed Canada Student Loan and the remaining $1,700 was a Province of Nova Scotia bursary. This compared with a maximum loan of $1,912 and a bursary of $1,700 in 1982-83 for a total of $3,612. Students in programs longer than the normal 34-week university undergraduate program were eligible to receive additional aid under the Canada Student Loans Program at the maximum rate of $100 per week of study.

Again this year, personnel from the Student Aid Office continued their practice of visiting the high schools in the province to explain the Canada Student Loans Program and Nova Scotia Government Bursary Program to graduating classes.

During the period under review, and in co-operation with the Department of Government Services, a study of Student Aid Office systems was carried out to determine the most appropriate method of delivering the Student Aid program. The conclusions of the study were that there should be developed a complete new system of methods and procedures involving the use of a variety of computer equipment to collect and store student application information and to process Canada Student Loans and Nova Scotia Bursaries. Approval in principle was received to proceed with computerization with a view to automating the Student Aid operation in time for the 1985-86 year.

Further information on the Student Aid program is included in the statistical table section of this report.

PROGRAMS UNDER THE DEPUTY MINISTER, VOCATIONAL AND TECHNICAL TRAINING

VOCATIONAL SCHOOLS

Nova Scotia has 14 vocational schools; 11 operated by the Minister of Education and 3 by district school boards. During the year, 68 programs were offered within these schools.

New programs added during the year included Farm Equipment Repair at Colchester Regional Vocational School, and Business Computer Programming at Burridge Regional Vocational School. Modular training in the Carpentry and Bricklaying courses continued and was introduced in the Cooking course for the first time.

The Vocational Teachers Summer School was held at the Nova Scotia Teachers College in Truro, with an enrolment of 52. Six vocational teachers were granted educational leave for the year. In addition, the Department of Education provided funds for updating training of 92 vocational teachers. Such training was made possible through the co-operation of industry and business in the provision of facilities and trained personnel.

During the year under review, committees were established (1) to prepare documents outlining policies and procedures for implementation of a safety awareness program within all vocational and technical institutions and (2) to develop modular training units for the Electrical Construction Wiring and the Motor Vehicle (Mechanical) courses.

Departmental administrators met regularly with the 14 vocational school principals to discuss policies and procedures and provide a forum for planning.

Other activities during the year included the achievement of closer co-ordination with the Department of Labour and Manpower and the efforts made by all schools to provide information on opportunities for training for women in non-traditional trades.

TRADES AND TECHNOLOGY EDUCATION

Trades and Technology education for youth and adults continued to be offered through the Nova Scotia Institute of Technology, Nova Scotia Land Survey Institute, and the Nova Scotia Nautical Institute. Several trades level courses were also offered through the adult vocational training centres and modules across the province.

Technology programs were offered at both the certificate (10 month post-secondary) and diploma (20 month or 48-50 continuous weeks) levels to meet both provincial and national requirements for

paraprofessionals in engineering fields, medical and dental fields, surveying and mapping fields and the marine transport field. A pilot program at the electronic engineering technician level was instituted to upgrade current electronic programs, and allow a progression to the technology programs. Welding engineering technician programs were provided to serve this expanding industry. A pre-technology pilot program was offered to provide a bridge for students with inappropriate academic programs and for older high school graduates.

Apprenticeship programs continued to be offered to meet the needs determined by the Department of Labour and Manpower Apprenticeship Branch. Modular development was carried out in the cooking, carpentry, electrical construction and motor vehicle repair (mechanical) trades. Apprenticeship programs were arranged with the University College of Cape Breton.

Correspondence Courses

The Correspondence Study Service, operated through Extension Services of the Nova Scotia Institute of Technology, continued to offer public school and technical correspondence courses.

There were 460 course completions and 2,225 additional registrations during the year. The grade 1 to 6 courses, grade 9 French, French 421, 431, and 441, Economics 331, Geography 421, and Mathematics 441 courses were revised. German 421 and 431 courses were added.

Two new technical correspondence courses, Digital Electronics and English-Second Language 1, were added. During the year there were 310 additional registrations and 49 course completions.

Evening Courses

During 1983-84, Extension Services at the Nova Scotia Institute of Technology offered 21 evening courses to the public. A total of 681 students enrolled in the 50 classes.

Classes were held in conjunction with the Nova Scotia Nautical Institute, Halifax Amateur Radio Club, Canadian Armed Forces, Canadian Society of Laboratory Technicians and Beathuk Data Systems Limited.

ADULT VOCATIONAL EDUCATION

A wide variety of occupational, trade and academic upgrading

courses sponsored by the Canada Employment and Immigration Commission under the terms of the National Institutional Training Program were offered at various training centres, institutes, and modules throughout the province during 1983-84. Of the 7,197 persons trained under these arrangements 1,843 (25.6 percent) were females.

Arrangements for training were also made with a number of private schools throughout Nova Scotia for a total of 397 students (159 females) referred for training by the Employment and Immigration Commission.

In addition, 590 students were enrolled in full-time skill development, academic upgrading and employment preparatory courses conducted at the Springhill Medium Security Institution by the Adult Vocational Training Division of the Department of Education by contract with the Solicitor General's Department.

Courses in training centres, institutes and modules tended to reflect the federal trend to concentrate on national labor market skill shortages, particularly in higher level skill occupations. As a result, the number of people in academic and lower level skill courses tended to be slightly less than the previous year. Courses in word processing, welding engineering technician, and process operations were introduced. In addition, work began on preparation for other new courses: Pre-Technology, Business Computer Programming, Computer Assisted Drafting, and Electronic Engineering Technician. These courses are scheduled to commence at various locations in 1984-85.

DISABLED PERSONS TRAINING

During 1983-84, a number of disabled Nova Scotians were provided training opportunities to enable them to obtain substantially gainful employment. Training arrangements were made in accordance with each individual's requirements in academic, non-university, university and on-the-job training situations. This training is funded on a federal-provincial cost-sharing basis under the terms of an agreement between Health and Welfare Canada and the Nova Scotia Department of Social Services.

University training arrangements were made for 69 people, non-university training arrangements for 121, academic upgrading for 59, and on-the-job training for 7.

PROGRAM SERVICES

Program Services is responsible for planning, organizing and developing learning resource materials for Trades and Technologies, Adult Vocational Education, and the Apprenticeship Division of the Department of Labour and Manpower. It is also responsible for staff training, problem evaluation, and registration of private trade schools.

Course Development and Evaluation

Program Services staff continued developing modular learning activity packages for the apprenticeship courses, concentrating on the revision of the electronic engineering technician program and the drafting program involving computer-assisted drafting, as well as continued liaison work with the Department of Labour and Manpower on the welding technician program. Program evaluation concentrated on developing procedures and conducting an evaluation of the Real Opportunities for Prisoner Employment (ROPE) program, as well as the City of Halifax Job Readiness Training and Employment program.

Curriculum assistance continued to be given to the Nova Scotia Power Corporation and Atomic Energy of Canada Limited in Sydney.

Private Trade Schools and Staff Development

Monitoring and registering private trade schools were the major activities of this section. Thirty private trade schools and nine correspondence schools were registered during the year.

Staff development was conducted through in-house activities, drawing frequently on knowledgeable persons from various associations. A member of the Program Services staff was engaged in teaching summer school for vocational and technical teachers.

Continuing Education — Field Services

Through its Continuing Education Program, the Department assisted 22 school boards in providing educational services to 26,679 adults enrolled in public school continuing education classes. School boards engaged 72 administrators of whom six were employed full-time.

Interest in community schools has continued, with grant as-

sistance and consultation services from the Department. During 1983-84, there were 74 community schools in operation, with approximately 39,200 persons enrolled.

The Department assisted with 17 workshops for the training of volunteer reading aides. Two hundred and thirty-seven persons received training under the program and approximately 368 persons received literacy tutoring. In addition, literacy materials were provided to Literacy Councils organizing their own training programs.

Regional staff provided consultative services to 22 school boards; made available counselling and advisory services to 3,939 persons visiting regional offices and to 16,443 persons by telephone; provided educational services to 110 regional and provincial organizations; provided consultation and administered funding to 65 community education projects, not including community schools; arranged for general educational development tests for 3,200 persons; assisted with the organization of 110 regional and provincial conferences; and organized 45 supervisory and business management courses with 686 persons enrolled. Increased support has been provided to senior citizens through the medium of pre-retirement seminars and consultative services to senior citizens groups.

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SUMMARY OF STATISTICS
1983-84

	1983-84	Increase (Decrease) from 1982-83
School Boards (1983-84 Academic Year)[1]		
Number of Boards (September 30)	22	0
Number of Schools (September 30)	571	(6)
Teachers (September 30)	10,770	(191)
Pupils (September 30)	177,240	(2,062)
Elementary (P-6, plus Special Education)	92,469	(2,179)
Junior High (7-9, plus Special Education)	45,074	450
Senior High (10-11, plus Business Education, Vocational and Special Education	39,697	(333)
Pupil/Teacher Ratio	16.5	.1
Average Class Size	23.6	(.2)
Expenditures on Public School Education[1] (1983 Calendar Year)[2]		
Municipal Contribution	$ 85,679,306	$ 5,314,963
Other Board Revenues	20,474,781	7,107,105
Provincial Grants (operating & capital)	447,930,131	37,884,990
Total Expenditure	554,084,218	50,307,058
Per Capita Expenditure[3]	647	61
Per Pupil Expenditure	3,126	316
Percentage of Provincial Grant in Total School Board Expenditure	80.8%	(.6)
Regional Vocational Schools (1983-84 Fiscal Year)[4]		
Number of Regional Vocational School Advisory Boards	11	-
Number of Schools	11	-
Teachers	413	(9)
Pupils	4,762	(348)
Pupil/Teacher Ratio	11.5	(.6)
Vocational Expenditure Fiscal Year	$ 23,992,488	$ 1,669,370
Per Pupil Expenditure	$ 5,038	$ 668
Adult and Post-Secondary Education Enrolments (1983-84)		
Continuing Education (including community schools)	71,897	3,388
Students Sponsored by Canada Employment and Immigration and Canada Correctional Services	8,184	(2,507)

[1]Does not include the 11 regional vocational school advisory boards for the regional vocational schools operated by the Minister of Education.
[2]Final expenditure by school boards as reported in school board financial statements and Department of Education records.
[3]Based on the estimated total population of Nova Scotia.
[4]For the 11 regional vocational schools operated by the Minister of Education. Does not include the three vocational schools operated by district school boards.

SUMMARY OF STATISTICS
1983-84
(continued)

	1983-84	Increase (Decrease) from 1982-83
Nova Scotia Institute of Technology (Technology Courses)	460	(50)
Nova Scotia Land Survey Institute (includes transfer students and Scientific Computer and Remote Sensing classes which graduate in August, 1984)	122	
Nova Scotia Nautical Institute	4,073	316
Universities and Colleges (full-time equivalents)	27,104	1,658

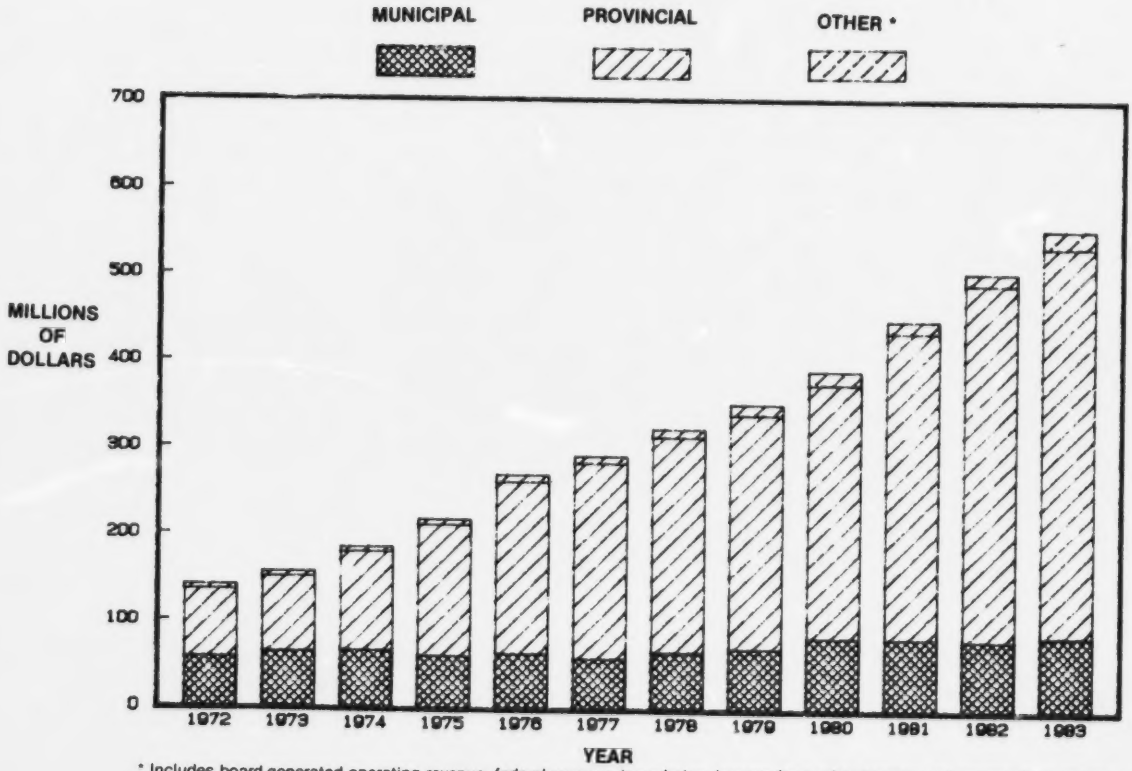
SUMMARY OF GRANTS TO SCHOOL BOARDS AND CALCULATION OF COST PER PUPIL*
1978-1983

Calendar Year	Number of Teachers Sept. 30	Enrolment Sept. 30	Provincial Grants	Municipal Appropriations	Other Board Revenues**	Total Funding	Cost Per Pupil
1978	11,101	194,070	247,727,148	65,699,052	9,296,900	322,723,100	1,663
1979	11,072	189,258	269,852,270	69,728,230	12,070,200	351,650,700	1,858
1980	11,016	185,585	292,324,141	82,810,059	15,211,100	390,345,300	2,103
1981	11,000	181,685	352,634,185	82,461,345	13,356,832	448,452,362	2,468
1982	10,961	179,302	410,045,141	80,364,343	13,367,676	503,777,160	2,810
1983	10,770	177,240	447,930,131	85,679,306	20,474,781	554,084,218	3,126

*Does not include the eleven regional vocational school advisory boards.

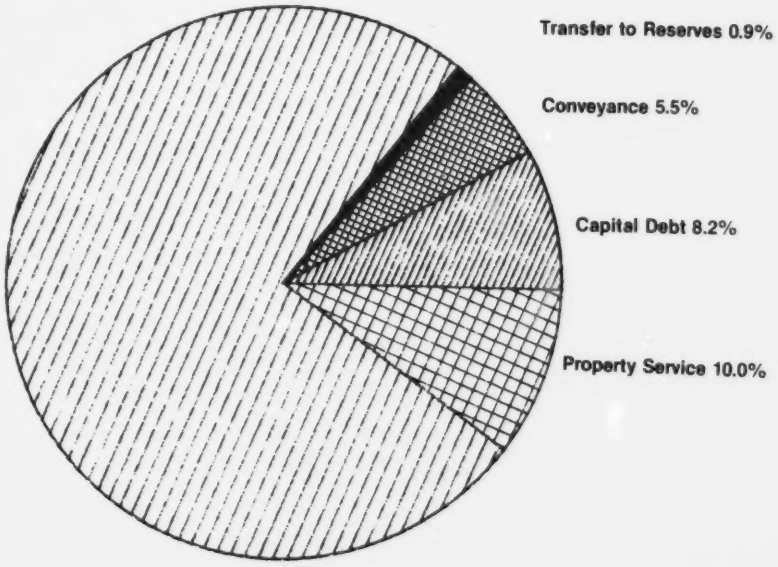
**Other board revenues include board-generated operating revenue (e.g. rental of facilities, investment income), federal revenue (e.g. DND payments, French programs), tax rebates, payments from other boards, and revenue from reserves or prior surplus.

SCHOOL BOARD FUNDING
1972-1983



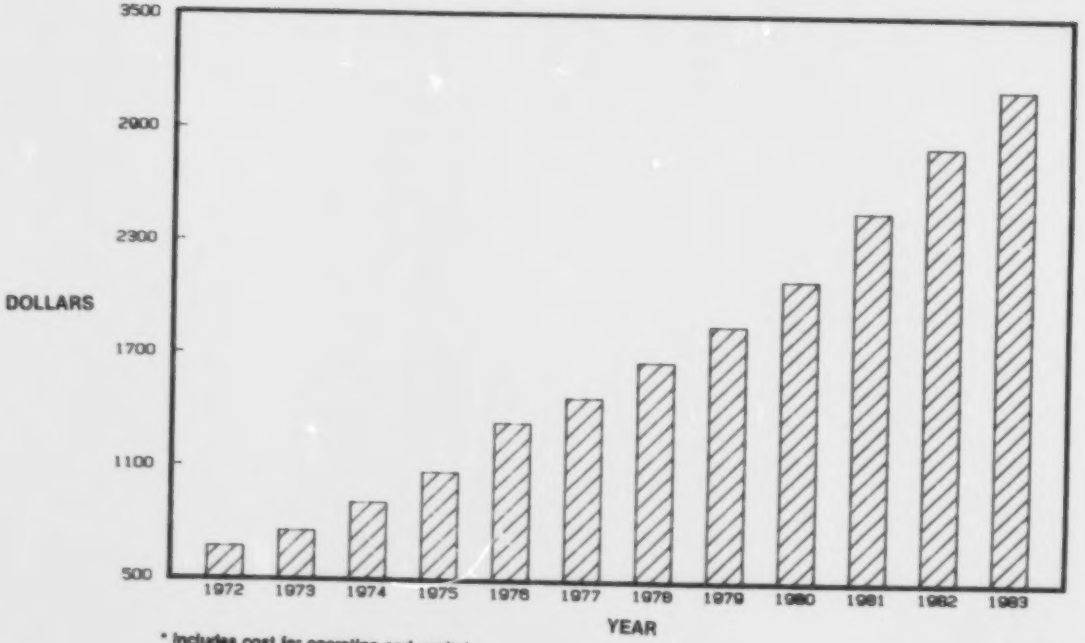
* Includes board-generated operating revenue, federal revenue, tax rebates, income from other boards, and revenue from reserves

SCHOOL BOARD EXPENDITURES
1983 CALENDAR YEAR



Total School Board Expenditures: $554,084,218

TOTAL EXPENDITURES PER PUPIL *
1972-1983



* Includes cost for operating and capital.

DEPARTMENT OF EDUCATION
SUMMARY OF OPERATING EXPENDITURES
FOR THE PERIOD APRIL 1, 1983 TO MARCH 31, 1984

Senior Management		$ 877,367
Finance and Budgeting		
Student Aid	$ 480,207	
Research	796,270	
Financial Management	557,782	
School Book Bureau	477,375	
Education Grants	261,831	2,573,465
Teachers Pensions		22,092,431
Grants and Assistance		
School Boards	$457,008,612	
School Book Bureau	4,806,104	
Student Aid	7,383,125	469,198,284
Curriculum Development		4,120,935
Regional Vocational Schools		23,992,488
Educational Resource Services		10,518,400
School Planning & Inspection		1,277,095
Adult Education		3,209,295
Teacher Education Programs		6,500
Program Services		693,434
Total Expenditure[1]		$538,569,694

[1]All figures are net of revenue and less chargeables.

NOTE: In addition to operating expenditure, total capital grants to District School Boards and capital expenditures by the Department of Education were $5,919,369.

ENROLMENTS BY AGE, GRADE, AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1983

Grade		Age 5 and under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and over	Total
Primary	M	6,024	401	8														M	6,433
	F	5,793	220	7	1													F	6,021
	T	11,817	621	15	1													T	12,454
Grade 1	M	42	5,566	696	28	2												M	6,364
	F	49	5,549	400	18	2	1											F	6,019
	T	91	11,135	1,096	56	4	1											T	12,383
Grade 2	M		96	5,672	945	88	9	1										M	6,811
	F		105	5,512	481	27	2	2										F	6,129
	T		201	11,184	1,426	115	11	3										T	12,940
Grade 3	M			115	5,311	1,110	160	17										M	6,713
	F		1	152	5,346	612	82	5	1									F	6,199
	T		1	267	10,657	1,722	242	22	1									T	12,912
Grade 4	M				135	5,019	1,262	237	23									M	6,676
	F			1	206	5,213	754	125	10									F	6,309
	T			1	341	10,232	2,016	362	33									T	12,985
Grade 5	M					168	5,059	1,324	363	53	6	1						M	6,974
	F				1	228	5,365	766	170	17		1						F	6,548
	T				1	396	10,424	2,090	533	70	6	2						T	13,522
Grade 6	M						180	5,031	1,501	421	61	7	1	1				M	7,203
	F					2	249	5,306	930	196	27	4						F	6,714
	T					2	429	10,337	2,431	617	88	11	1	1				T	13,917

ENROLMENTS BY AGE, GRADE, AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1983
(continued)

Grade		Age 5 and under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and over		Total
Elem EMH	M	11	18	34	41	54	65	69	76	40	9	3	1		1				M	442
	F	2	5	24	23	39	31	50	42	15	3								F	234
	T	13	23	58	64	93	96	139	118	55	12	3	1		1				T	676
Elem TMH	M	9	12	15	22	21	20	21	22	6	6	1	4	4	1	6			M	170
	F	6	4	7	17	25	7	14	11	7	7	4	3	1	6	3	4		F	126
	T	15	16	22	39	46	27	35	33	13	13	5	7	5	7	9	4		T	296
ElemOther	M	9	11	23	28	32	36	49	46	30	6	1		1	3	1	1	1	M	277
	F	3	10	11	9	4	20	12	25	5	2	4		1			1		F	107
	T	12	21	34	37	36	56	61	71	35	8	5		2	3	1	2	1	T	384
Elemen	M	6,096	6,124	6,563	6,530	6,494	6,790	6,769	2,031	560	88	13	6	6	5	7	1	1	M	48,063
Sub-Total	F	5,853	5,894	6,114	6,102	6,152	6,511	6,280	1,189	240	39	13	3	2	6	3	5		F	44,408
	T	11,948	12,018	12,677	12,632	12,646	13,301	13,049	3,220	790	127	26	9	8	11	10	6	1	T	92,469
Grade 7	M						1	241	5,064	1,738	717	194	44	5		1			M	8,005
	F							290	5,526	1,130	381	89	17	2					F	7,435
	T						1	531	10,590	2,868	1,098	283	61	7		1			T	15,440
Grade 8	M							1	228	4,557	1,677	847	277	56	8	1			M	7,652
	F								265	5,004	1,179	478	135	23	6	2			F	7,092
	T							1	493	9,561	2,856	1,325	412	79	14	3			T	14,744
Grade 9	M								1	228	4,119	1,630	814	249	44	7		2	M	7,094
	F									294	4,676	1,222	493	141	43	11	2	2	F	6,884
	T								1	522	8,795	2,852	1,307	390	87	18	2	4	T	13,978

ENROLMENTS BY AGE, GRADE, AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1983
(continued)

Grade		Age 5 and under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and over		Total
Jr EMH	M					1	2	4	14	53	84	77	52	33	11	5	2	2	M	340
	F					1	1	3	4	32	48	39	19	15	9	9	4	3	F	187
	T					2	3	7	18	85	132	116	71	48	20	14	6	5	T	527
Jr TMH	M							1	5	9	3	12	12	10	10	11	13	1	M	87
	F								3	9	5	5	6	6	5	11	4	4	F	58
	T							1	8	18	8	17	18	16	15	22	17	5	T	145
Jr Other	M								10	45	48	31	8	5	6	3			M	156
	F								8	27	20	15	6	4	2	1	1		F	84
	T								18	72	68	46	14	9	8	4	1		T	240
Junior	M					1	3	247	5,322	6,630	6,648	2,791	1,207	358	79	28	15	5	M	23,334
Sub-Total	F					1	1	293	5,806	6,496	6,309	1,848	676	191	65	34	11	9	F	21,740
	T					2	4	540	11,128	13,126	12,957	4,639	1,883	549	144	62	26	14	T	45,074
Grade 10	M									4	249	3,772	1,656	868	317	88	26	8	M	6,988
	F									5	309	4,364	1,183	597	190	45	21	21	F	6,735
	T									9	558	8,136	2,839	1,465	507	133	47	29	T	13,723
Grade 11	M										5	232	3,391	1,319	584	180	50	22	M	5,783
	F										7	364	4,203	1,116	390	115	38	26	F	6,259
	T										12	596	7,594	2,435	974	295	88	48	T	12,042

ENROLMENTS BY AGE, GRADE, AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1983
(continued)

Grade		Age 5 and under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and over		Total
Grade 12	M											7	263	3,117	1,559	482	118	73	M	5,619
	F											5	380	3,980	1,230	330	92	55	F	6,072
	T											12	643	7,097	2,789	812	210	128	T	11,691
SR BE	M													6	11	6	4	5	M	32
	F												2	47	105	31	16	38	F	239
	T												2	53	116	37	20	43	T	271
SR EMH	M									1	4	6	19	14	16	6	1	1	M	68
	F										4	4	11	10	14	2	2		F	47
	T									1	8	10	30	24	30	8	3	1	T	115
SR TMH	M										1	1	1	8	4	6	1	3	M	25
	F									2			3	4	4	4	1	2	F	20
	T									2	1	1	4	12	8	10	2	5	T	45
SR Other	M									1	10	41	60	62	44	14	3		M	235
	F											19	30	43	10	11			F	113
	T									1	10	60	90	105	54	25	3	0	T	15,348
Senior	M									6	269	4,059	5,390	5,394	2,535	782	203	112	M	18,750
Sub-Total	F									7	320	4,756	5,812	5,797	1,943	538	170	142	F	19,485
	T									13	589	8,815	11,202	11,191	4,478	1,320	373	254	T	38,235
VOC 1	M											24	56	99	128	79	46	38	M	472
	F											11	14	32	101	57	23	21	F	259
	T											35	70	131	229	136	71	59	T	731

ENROLMENTS BY AGE, GRADE, AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1963
(continued)

Grade		Age 5 and under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and over		Total
VOC 2	M												53	57	60	55	36	20	M	281
	F											1	25	20	34	13	4	2	F	99
	T											1	78	77	94	68	40	22	T	380
VOC 3	M												1	41	29	14			M	85
	F												2	29	14	8	5	1	F	59
	T												3	70	43	22	5	1	T	144
VOC	M										4	16	50	46	18	2			M	136
District	F										1	8	24	22	10	6			F	71
Other	T										5	24	74	68	28	8	0	0	T	207
Dist VOC	M										4	40	160	243	235	150	84	58	M	974
Sub-Total	F										1	20	65	103	159	84	32	24	F	488
	T										5	60	225	346	394	234	116	82	T	1,462
District	M	6,095	6,124	6,563	6,520	6,496	6,793	7,016	7,353	7,186	7,009	6,903	6,763	6,001	2,854	967	303	175	M	91,121
Total	F	5,853	5,894	6,114	6,102	6,153	6,512	6,573	6,995	6,743	6,669	6,637	6,556	6,093	2,173	659	218	175	F	86,119
	T	11,948	12,018	12,677	12,622	12,648	13,305	13,589	14,348	13,929	13,678	13,540	13,319	12,094	5,027	1,626	521	350	T	177,240
V1	M										2	20	116	243	561	436	242	208	M	1,830
	F										2	8	27	92	522	274	125	208	F	1,258
	T										4	28	143	335	1,083	712	367	416	T	3,088
V2	M												12	78	184	436	295	185	M	1,190
	F												3	15	51	169	69	67	F	374
	T												15	93	235	605	364	252	T	1,564

ENROLMENTS BY AGE, GRADE, AND SEX
PROVINCIAL SUMMARY, SEPTEMBER 30, 1983
(continued)

Grade		Age 5 and under	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21 and over		Total
Regional V	M										4	16	45	35	6	3	1		M	110
Other	F																		F	0
	T										4	16	45	35	6	3	1		T	110
Reg V	M										6	36	173	356	751	877	538	393	M	3,130
Sub-Total	F										2	8	30	107	573	443	194	275	F	1,632
	T										8	44	203	463	1,324	1,320	732	668	T	4,762
Grand	M	6,095	6,124	6,563	6,520	6,496	6,793	7,016	7,353	7,186	7,015	6,939	6,936	6,357	3,605	1,844	841	568	M	94,251
Total	F	5,853	5,894	6,114	6,102	6,153	6,512	6,573	6,995	6,743	6,671	6,645	6,586	6,200	2,746	1,102	412	450	F	87,751
	T	11,948	12,018	12,677	12,622	12,648	13,305	13,589	14,348	13,929	13,686	13,584	13,522	12,557	6,351	2,946	1,253	1,018	T	182,002

Elem — Elementary
JR — Junior High
SR — Senior High
EMH — Educable Mentally Handicapped
TMH — Trainable Mentally Handicapped
Other — Other Special Education
BE — Business Education
VOC — Vocational programs operated by district school boards
V and REG V — Regional vocational school programs operated by the Minister of Education

ENROLMENTS BY SCHOOL BOARD*
1974-75 TO 1983-84

School Board	74/75	75/76	76/77	77/78	78/79	79/80	80/81	81/82	82/83	83/84
Annapolis	5,377	5,274	5,130	5,016	4,845	4,694	4,643	4,501	4,496	4,396
Antigonish	5,063	5,065	5,056	5,048	4,927	4,911	4,901	4,900	4,842	4,861
Cape Breton	27,756	27,060	26,477	25,639	24,887	24,119	23,441	22,909	22,371	21,928
Clare-Argyle	4,194	4,171	4,141	4,061	3,982	3,946	3,848	3,722	3,665	3,554
Colchester-East Hants	13,899	14,050	14,229	14,143	13,894	13,573	13,268	13,266	13,257	13,245
Cumberland	8,298	8,274	8,134	7,973	7,858	7,641	7,418	7,238	7,167	6,983
Dartmouth	17,611	17,251	16,678	15,889	15,142	14,298	13,620	13,073	12,541	12,088
Digby	2,997	2,908	2,914	2,837	2,757	2,686	2,664	2,600	2,533	2,526
Guysborough	3,329	3,323	3,230	3,189	3,120	3,071	3,050	3,048	2,989	2,951
Halifax	23,406	22,555	21,753	20,811	19,788	18,796	18,156	17,348	16,902	16,540
Halifax Co.-Bedford	23,895	24,783	25,827	26,512	27,225	27,262	27,239	27,220	27,363	27,608
Hants West	4,258	4,305	4,246	4,172	4,080	3,916	3,884	3,701	3,616	3,605
Inverness	5,801	5,726	5,725	5,716	5,736	5,673	5,561	5,440	5,383	5,194
Kings	12,857	12,843	12,533	12,276	11,843	11,476	11,334	11,107	11,060	11,165
Lunenburg	8,883	8,978	9,072	9,075	9,051	8,943	8,837	8,752	8,714	8,644
Northside-Victoria	9,817	9,734	9,747	9,512	9,173	8,891	8,701	8,445	8,203	7,950
Pictou	11,728	11,691	11,652	11,525	11,377	11,303	11,352	11,153	11,138	11,080
Queens	2,955	2,968	2,948	2,970	2,938	2,875	2,786	2,728	2,696	2,704
Richmond	3,556	3,522	3,513	3,498	3,427	3,361	3,250	3,104	3,055	3,034
Shelburne	4,068	4,017	3,926	3,879	3,825	3,677	3,624	3,588	3,547	3,477
Yarmouth	4,018	4,022	3,983	3,932	3,863	3,820	3,690	3,545	3,486	3,435
Hantsport	406	373	358	346	332	324	318	297	278	272
Provincial Totals	204,112	202,893	201,272	198,019	194,070	189,258	185,585	181,685	179,302	177,240
Regional Vocational	4,211	4,176	4,695	4,825	4,645	4,854	4,893	4,918	5,108	4,762
Totals	208,323	207,069	205,967	202,844	198,715	194,112	190,478	186,603	184,410	182,002

*For the years prior to the formation of the district school boards, the figures represent the total enrolments in the areas now served by the district boards.

PUPIL/TEACHER RATIO BY SCHOOL BOARD*
1974-75 TO 1983-84

School Board	74/75	75/76	76/77	77/78	78/79	79/80	80/81	81/82	82/83	83/84
Annapolis	17.7	17.1	17.8	17.7	17.3	16.5	16.6	16.1	16.4	16.0
Antigonish	18.1	17.6	18.5	18.3	17.8	17.5	17.6	17.6	17.7	17.9
Cape Breton	20.0	18.9	19.0	18.8	18.2	17.8	17.6	17.2	17.2	17.3
Clare-Argyle	18.5	17.4	17.7	17.2	17.1	16.8	17.0	16.3	15.9	15.3
Colchester-E. Hants	19.5	19.7	20.3	19.6	19.4	18.7	18.4	18.2	17.8	17.7
Cumberland	18.6	18.3	18.3	17.9	17.9	17.4	16.9	16.5	16.9	17.3
Dartmouth	18.8	17.8	18.1	17.4	16.9	16.2	16.1	15.8	15.0	14.7
Digby	17.8	17.0	17.9	17.4	16.8	16.9	16.5	16.0	15.8	16.4
Guysborough	19.0	17.7	17.3	16.8	16.3	16.3	16.2	16.1	16.0	15.5
Halifax	16.4	15.5	15.5	15.1	14.3	14.1	13.8	13.6	13.5	13.9
Halifax Co.-Bedford	17.8	17.6	18.7	18.1	17.4	17.3	16.8	16.4	16.7	17.2
Hants West	19.0	18.8	19.4	18.5	19.2	18.2	18.6	18.1	17.2	17.4
Inverness	17.0	16.5	17.0	16.3	16.5	16.3	15.8	15.2	15.7	15.9
Kings	19.2	19.8	19.2	18.8	17.7	17.1	17.1	16.7	16.6	16.5
Lunenburg	19.5	19.2	20.1	19.6	19.5	18.7	18.2	17.7	17.3	17.1
Northside-Victoria	19.6	18.9	18.1	17.5	17.5	17.5	17.2	17.2	16.7	16.7
Pictou	20.8	20.3	20.2	19.7	20.0	19.2	19.4	18.8	17.8	17.3
Queens	19.3	19.0	20.1	20.1	19.7	19.0	18.6	18.3	17.9	17.2
Richmond	16.0	15.5	16.3	16.0	15.4	15.0	14.8	14.0	14.5	15.6
Shelburne	20.1	19.2	18.8	18.6	18.5	17.7	17.5	17.5	17.6	17.0
Yarmouth	19.9	20.3	20.6	20.4	18.8	18.5	18.2	17.2	16.7	17.0
Hantsport	19.3	17.8	17.9	17.3	17.5	18.0	16.7	16.5	14.6	15.1
Provincial Totals	18.6	18.1	18.4	17.9	17.5	17.1	16.8	16.5	16.4	16.5
Regional Vocational	10.1	9.6	11.2	11.2	10.9	11.3	11.4	11.5	12.1	11.5
Totals	18.3	17.8	18.1	17.7	17.2	16.9	16.6	16.3	16.2	16.3

* For the years prior to the formation of the district school boards, the figures represent the ratios in the areas now served by the district boards.

TEACHERS BY CERTIFICATE AND YEARS OF SERVICE*
SEPTEMBER 30,1983

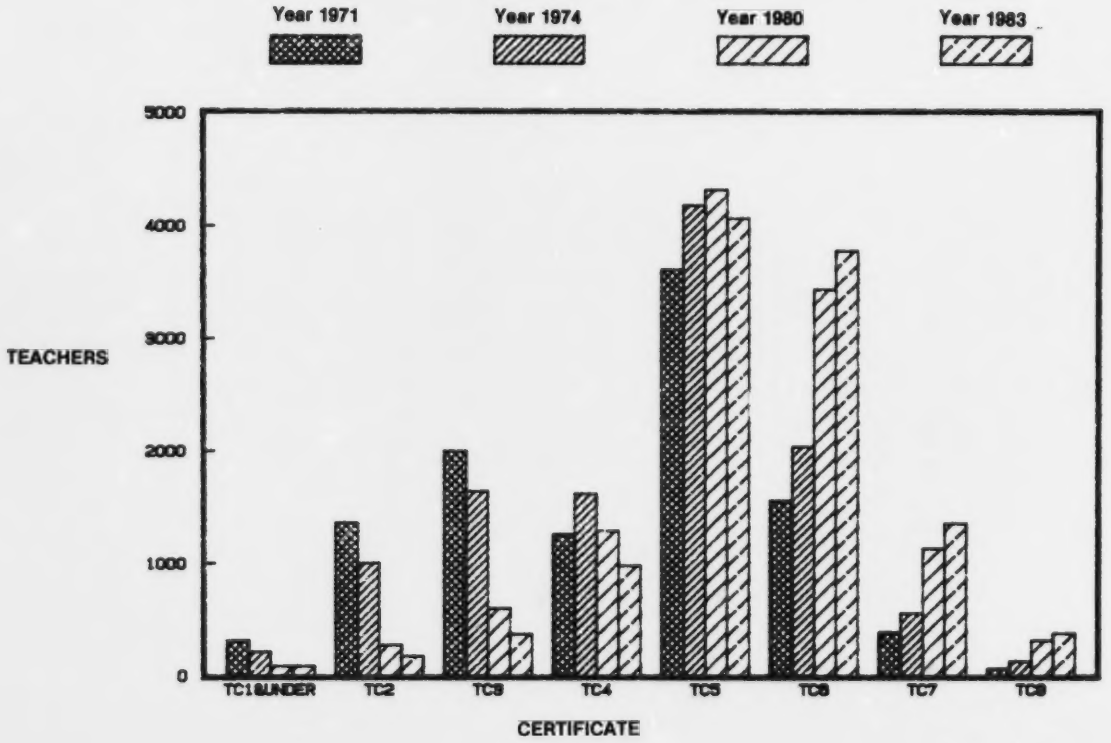
Certificate	Total	1	2	3	4	5	6	7	8	9	10	Max
TC 8	377				2	2	3	2	2	5	9	352
TC 7	1,229	1	1	7	6	13	17	24	23	38	59	1,040
TC 6	3,715	8	23	51	65	72	102	145	136	204	260	2,649
TC 5	3,908	76	115	135	160	186	220	215	188	211	244	2,158
TC 4	970	32	34	60	46	49	49	30	27			643
TC 3	369	1	1		2	6	1	4				354
TC 2	174											174
TC 1	20											20
Permit	3											3
VTP A	61	4	19	23	8	3	2	1				1
VTC 4	126					1	5	3	4	6	5	102
VTC 3	64						1	2	5	4	4	48
VTC 2	159		1	1	5	3	7	4	9	4	5	120
VTC 1	8					1	1		1			5
Total	11,183	122	194	277	294	336	408	430	395	472	586	7,669

* Includes teachers in the 11 regional vocational schools operated by the Minister of Education. Excludes the following teaching positions: sabbatical leave, Department of National Defence, substitutes, Term B and C, leave of absence, educational leave, and sick leave.

TEACHERS BY CERTIFICATE BY BOARD
SEPTEMBER 30, 1983

School Boards	Total	TC8	TC7	TC6	TC5	TC4	TC3	TC2	TC1	Permit	VTC4	VTC3	VTC2	VTC1	VTCA
Annapolis	274	3	14	75	116	40	16	8	2						
Antigonish	271	13	44	110	72	21	9	2							
Cape Breton	1,265	73	161	546	364	68	36	17							
Clare-Argyle	233	1	29	67	93	15	18	10							
Colchester-East Hants	748	17	78	227	270	99	22	6	1	1	9	2	12		4
Cumberland	404	3	22	99	182	60	22	13	1				2		
Dartmouth	825	34	106	326	285	54	15		2				3		
Digby	154	3	8	35	71	24	8	4					1		
Guysborough	190	2	18	62	70	24	7	5					2		
Halifax	1,194	100	211	441	365	40	20	9	1			2	5		
Halifax Co.-Bedford	1,606	45	186	549	643	115	41	15	4		1	2	2		3
Hants West	207	4	18	66	86	20	6	6	1						
Inverness	327	8	36	117	125	22	12	7							
Kings	675	12	69	231	242	59	16	11	1	1	7	3	18		5
Lunenburg	506	7	42	156	183	71	35	11	1						
Northside-Victoria	477	16	49	153	150	44	27	18	3		3	4	8	1	1
Pictou	639	10	52	202	251	81	26	15	1	1					
Queens	157	3	16	36	69	26	2	4	1						
Richmond	194	2	25	71	64	16	10	5						1	
Shelburne	204	5	15	42	92	37	7	5					1		
Yarmouth	202	1	9	57	89	30	12	3	1						
Hantsport	18		1	7	6	4									
Sub-total	10,770	362	1,209	3,675	3,888	970	367	174	20	3	20	13	54	2	13
Regional Vocational Advisory Boards	413	15	20	40	20		2				106	51	105	6	48
Provincial Total	11,813	377	1,229	3,715	3,908	970	369	174	20	3	126	64	159	8	61

TEACHERS BY CERTIFICATE FOR SELECTED YEARS



NUMBER OF TEACHERS BY BOARD*
1974-75 TO 1983-84

School Board	74/75	75/76	76/77	77/78	78/79	79/80	80/81	81/82	82/83	83/84
Annapolis	303	308	289	283	280	284	280	279	274	274
Antigonish	279	287	274	276	277	280	279	279	274	271
Cape Breton	1385	1430	1394	1367	1370	1354	1335	1330	1301	1265
Clare-Argyle	227	240	234	236	233	235	227	228	231	233
Colchester-E. Hants	714	712	700	722	718	725	720	728	743	748
Cumberland	445	451	445	445	439	439	438	438	425	404
Dartmouth	936	970	922	911	895	884	848	827	838	825
Digby	165	171	163	163	164	159	161	163	160	154
Guysborough	175	188	187	190	191	188	188	189	187	190
Halifax	1,431	1,457	1,403	1,379	1,382	1,335	1,319	1,274	1,254	1,194
Halifax Co.-Bedford	1,342	1,411	1,378	1,467	1,563	1,573	1,623	1,661	1,642	1,606
Hants West	224	229	219	225	213	215	209	205	210	207
Inverness	342	348	337	350	348	349	351	357	343	327
Kings	670	650	654	653	669	671	664	664	667	675
Lunenburg	455	467	451	464	463	477	486	494	505	506
Northside-Victoria	501	516	538	543	524	509	505	492	491	477
Pictou	563	576	577	584	569	588	584	593	625	639
Queens	153	156	147	148	149	151	150	149	151	157
Richmond	222	227	215	219	222	224	220	221	211	194
Shelburne	202	209	209	209	207	208	207	205	201	204
Yarmouth	202	198	193	193	206	206	203	206	209	202
Hantsport	21	21	20	20	19	18	19	18	19	18
Provincial Totals	10,957	11,221	10,949	11,047	11,101	11,072	11,016	11,000	10,961	10,770
Regional Vocational	418	437	421	429	426	430	428	428	422	413
Totals	11,375	11,658	11,370	11,476	11,527	11,502	11,444	11,428	11,383	11,183

*For the years prior to the formation of the district school boards, the figures represent the number of teachers in the areas now served by the district boards.

TEACHERS BY CERTIFICATE, AGE, AND MARITAL STATUS*
SEPTEMBER 30, 1983

	Marital Status				Age Distribution										
Certificate	Total	Single	Married	Religious	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 and over
TC 8	377	60	306	11			33	80	113	60	47	30	12	2	
TC 7	1,229	238	971	20		29	221	366	250	149	121	66	26	1	
TC 6	3,715	902	2,783	30	18	305	1,065	990	551	334	227	155	67	2	1
TC 5	3,908	1,052	2,832	24	157	738	1,100	785	462	270	215	128	52		1
TC 4	970	205	762	3	91	189	212	164	124	81	60	28	20	1	
TC 3	389	54	312	3		3	71	61	85	57	46	30	14	2	
TC 2	174	21	152	1			1	9	34	48	41	22	19		
TC 1	20	2	18						1	2	9	5	3		
Permit	3	1	2		1			1					1		
VTP A	61	16	45			6	17	13	12	6	4	2	1		
VTC 4	126	13	112	1				12	23	38	22	24	7		
VTC 3	64	5	59					6	9	16	12	15	5	1	
VTC 2	159	16	143			2	4	21	28	27	28	32	16	1	
VTC 1	8	2	6				1			1	3	3			
Totals	11,183	2,587	8,503	93	267	1,272	2,725	2,508	1,692	1,089	835	540	243	10	2

*Includes teachers in the 11 regional vocational schools operated by the Minister of Education.

TEACHERS BY LEVELS TAUGHT AND CERTIFICATE
SEPTEMBER 30, 1983

Level[1]	Total	TC 8	TC 7	TC 6	TC 5	TC 4	TC 3	TC 2	TC 1	Permit	TCM	VTCA	VTC 4	VTC 3	VTC 2	VTC 1
Elementary	5429	85	320	1629	2234	719	273	148	19	1						
Junior	3581	109	414	1338	1324	257	94	26	1			1	1	1	12	1
Senior	2800	144	431	1144	867	118	42	9		1		4	6	6	26	2
Vocational	468	13	19	44	25	3	3			1		61	113	52	128	6
Multi-Level																
Elementary - Junior	8429	172	665	2758	3346	922	355	173	20	2		1	1	1	12	1
Junior-Senior	5295	210	734	2055	1811	291	103	29	1	1		5	7	7	33	2
Elementary - Senior	10133	272	985	3471	3829	961	364	174	20	3		5	7	7	33	2
Board Supervisory Personnel[2]	191	36	75	62	18											
School Supervisory Personnel[3]	386	55	146	134	31	3	4							7	5	1
Total	11183	377	1229	3715	3908	970	369	174	20	3		61	126	64	159	8

[1]Level categories overlap; e.g., a teacher of grades 6 and 7 is reported under the categories 7-9, 7-12, P-9, and P-12.

[2]e.g., chief education officer, curriculum supervisor, sub-system supervisor.

[3]e.g., non-teaching principal or vice-principal

TEACHERS BY CERTIFICATE AND DEGREE
SEPTEMBER 30, 1963

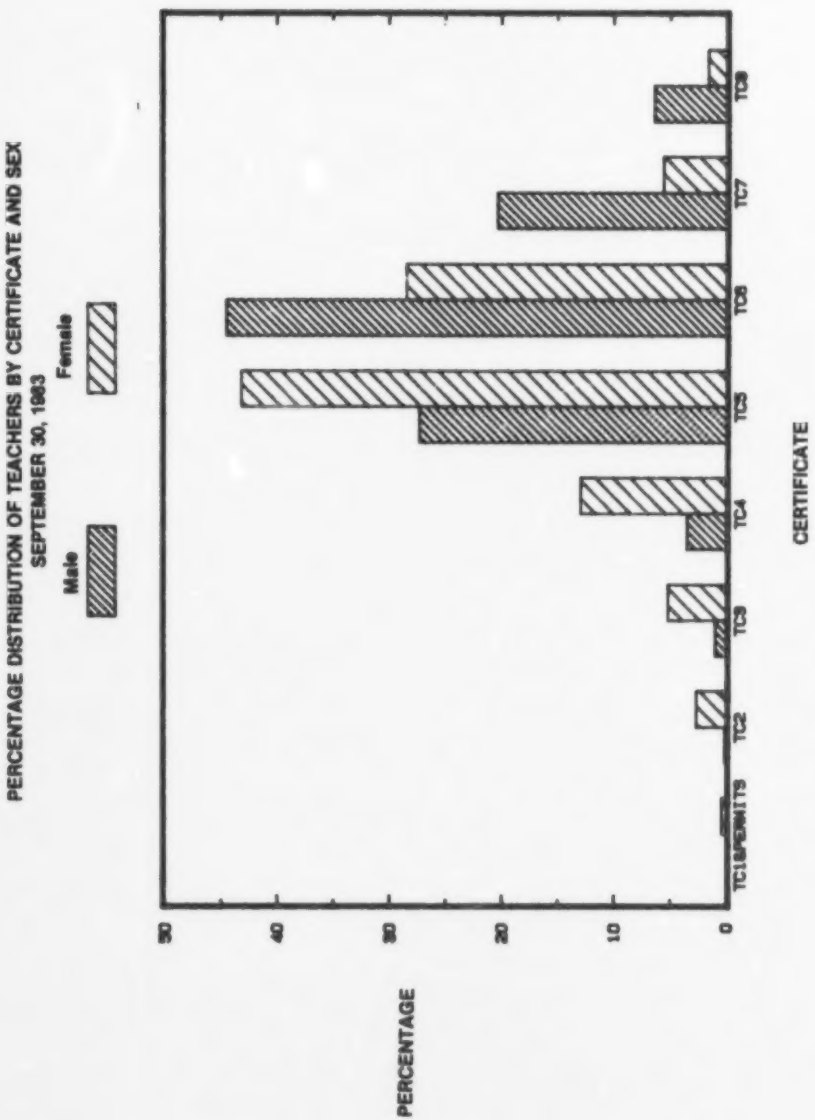
Certificate	No. of Teachers	Percentage With Degree
TC 8	388	96
TC 7	1,229	93
TC 6	3,715	78
TC 5	3,908	62
TC 4	970	13
TC 3	369	
TC 2	174	
TC 1	20	
Permit	3	33
VPA	61	1
VTC 4	126	30
VTC 3	66	
VTC 2	159	
VTC 1	8	
Total	11,183	63

RATIO OF ADMINISTRATORS, SPECIALISTS, AND REGULAR TEACHERS PER STUDENT*
SEPTEMBER 30, 1983

District	Administration			Special Subjects			Regular				
	No.	%	Ratio	No.	%	Ratio	No.	%	Ratio	Total	Ratio
Annapolis	29	10.6	151.6	59	21.5	74.5	186	67.9	23.6	274	16.0
Antigonish	28	10.3	173.6	64	23.6	76.0	179	66.1	27.2	271	17.9
Cape Breton	142	11.2	154.4	256	20.2	85.7	867	68.5	25.3	1265	17.3
Clare-Argyle	28	12.0	126.9	35	15.0	101.5	170	73.0	20.9	233	15.3
Colchester-E. Hants	69	9.2	192.0	187	25.0	70.8	492	65.8	26.9	748	17.7
Cumberland	39	9.7	179.1	92	22.8	75.9	273	67.6	25.6	404	17.3
Dartmouth	87	10.5	138.9	186	22.5	65.0	552	66.9	21.9	825	14.7
Digby	17	11.0	148.6	28	18.2	90.2	109	70.8	23.2	154	16.4
Guysborough	24	12.8	123.0	49	25.8	60.2	117	61.6	25.2	190	15.5
Halifax	117	9.8	141.4	315	26.4	52.5	762	63.8	21.7	1194	13.9
Halifax Co.-Bedford	156	9.7	177.0	381	23.7	72.5	1069	66.6	25.8	1606	17.2
Hants West	16	7.7	225.3	52	25.1	69.3	139	67.1	25.9	207	17.4
Inverness	35	10.7	148.4	64	19.6	81.2	220	69.7	22.8	327	15.9
Kings	53	7.9	210.7	155	23.0	72.0	467	69.2	23.9	675	16.5
Lunenburg	49	9.7	176.4	116	22.9	74.5	341	67.4	25.3	506	17.1
Northside-Victoria	56	11.5	144.5	106	22.2	75.0	316	66.2	25.2	477	16.7
Pictou	57	8.9	194.4	138	21.6	80.3	444	69.5	25.0	639	17.3
Queens	15	9.8	180.3	33	21.0	81.9	109	69.4	24.8	157	17.2
Richmond	24	12.4	126.4	45	23.2	67.4	125	64.4	24.2	194	15.6
Shelburne	21	10.3	165.6	43	21.1	80.9	140	68.6	24.8	204	17.0
Yarmouth	23	11.4	149.3	44	21.8	78.1	135	66.8	25.4	202	17.0
Hantsport	1	5.6	272.0	5	27.8	54.4	12	66.7	22.7	18	15.1
Provincial Totals	1085	10.1	163.4	2453	22.8	72.3	7232	67.1	24.5	10770	16.5

Administration— superintendent, asst. superintendent, principal, vice-principal, supervisor, guidance director, system consultant, education administrator, continuing education.
Regular— regular classroom, department head, Term A, minority language, home visit.
Special— special subject teacher - i.e., home economics, music, and physical education.

*Teachers in the 11 regional vocational schools operated by the Minister of Education are not included.


PERCENTAGE DISTRIBUTION OF TEACHERS BY CERTIFICATE AND SEX
SEPTEMBER 30, 1983
Male
Female
PERCENTAGE
50
40
30
20
10
0
TC1&PERMITS
TC2
TC3
TC4
TC5
TC6
TC7
TC8
CERTIFICATE

TEACHERS BY CERTIFICATE AND POSITION
SEPTEMBER 30, 1983

		Total*	TC8	TC7	TC6	TC5	TC4	TC3	TC2	TC1	Permit	TCM	VTCA	VTC4	VTC3	VTC2	VTC1
Superintendents and Assistants	Male	52	8	21	21	2											
	Female	2	0	2													
	Total	54	8	23	21	2											
Supervisors and System Consultants	Male	104	24	47	27	4									1	1	
	Female	55	7	15	19	14											
	Total	159	31	62	46	18									1	1	
Principals	Male	429	45	152	182	36	4	2						3	4	1	
	Female	120	7	19	36	31	16	7	4								
	Total	549	52	171	218	67	20	9	4					3	4	1	
Vice-Principals	Male	265	33	101	100	19	4	1						7			
	Female	71	3	17	19	24	6	2									
	Total	336	36	118	119	43	10	3						7			
Department Heads	Male	199	21	52	76	33	1							9	3	4	
	Female	71	6	6	35	18		2						3	1		
	Total	270	27	58	111	51	1	2						12	4	4	
Reg. Classroom Teachers and Specialists	Male	3735	144	502	1508	1082	141	39	3				49	72	53	138	7
	Female	6080	79	295	1692	2645	798	316	167	20	3		12	32	5	15	1
	Total	9815	223	797	3200	3727	939	355	170	20	3		61	104	58	153	8
Summary	Male	4784	275	875	1914	1176	150	42	3				49	91	58	144	7
	Female	6399	102	354	1801	2732	820	327	171	20	3		12	35	6	15	1
	Total	11183	377	1229	3715	3908	970	369	174	20	3		61	126	64	159	8

*Includes teachers in the 11 regional vocational schools operated by the Minister of Education.

AVERAGE SALARY PER TEACHER
SEPTEMBER 1983

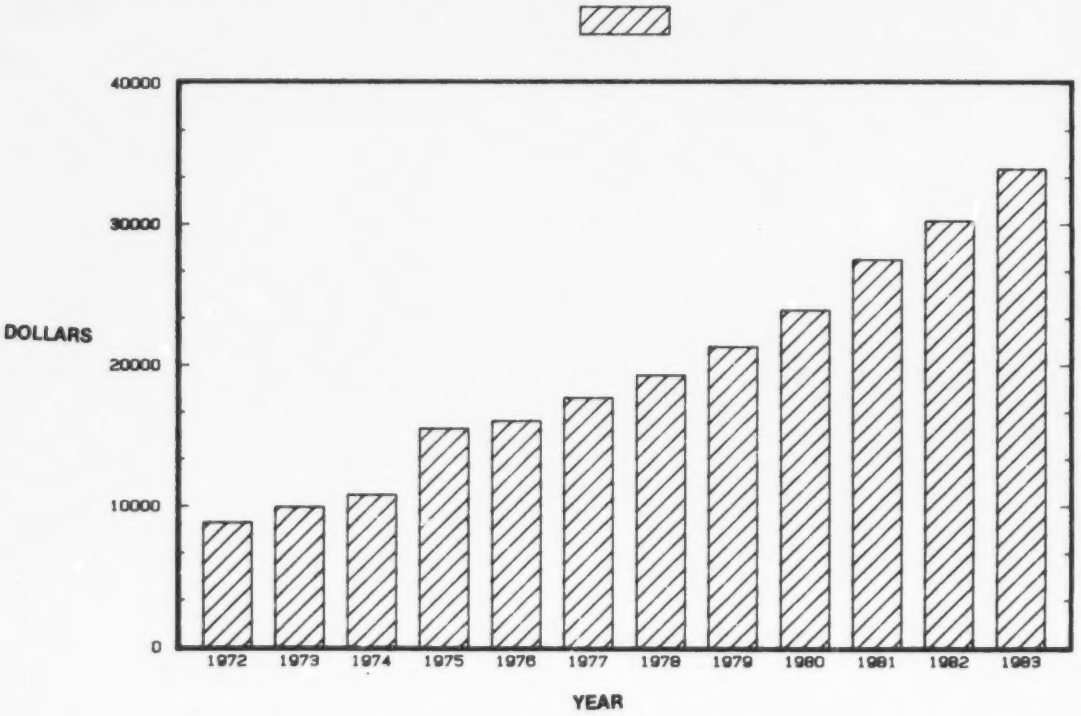
(1) Excluding teachers in eleven regional vocational schools operated by the Minister of Education

	Number of Teachers	Average Salary
Basic Salary	10,770	$33,438
Supervisory Allowance	1,256	4,366
Total Salary	10,770	33,949

(2) Including teachers in eleven regional vocational schools operated by the Minister of Education

Basic Salary	11,183	$33,438
Supervisory Allowance	1,301	4,371
Total Salary	11,183	33,990

AVERAGE SALARY PER TEACHER *
1972-1983



* Based on the salary in effect in September of each year.

NOVA SCOTIA TEACHERS' PENSION FUND
AUDITOR'S REPORT

To the Chairman and Members of the
Nova Scotia Teachers' Pension Commission and to
the Minister of Finance

I have examined the balance sheet of the Nova Scotia Teachers' Pension Fund as at March 31, 1984 and the statement of continuity of fund for the year then ended. My examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as I considered necessary in the circumstances.

In my opinion, these financial statements present fairly the financial position of the Fund as at March 31, 1984 and the results of the transactions for the year then ended, in accordance with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

O. P. Cormier, F.C.A.
Deputy Auditor General

Halifax, Nova Scotia
August 16, 1984

NOVA SCOTIA TEACHERS' PENSION FUND
BALANCE SHEET
AS AT MARCH 31, 1984

Assets

	1984	1983
Cash	$ 1,432,658	$ -
Accounts receivable	6,590,382	5,894,324
Accrued interest receivable	10,407,606	9,356,441
	$ 18,430,646	$ 15,250,765
Investments (Note 2)		
Short term deposits	17,406,775	18,000,000
Bonds and debentures	376,416,793	320,804,663
Mortgages	5,680,015	5,992,915
Common and preferred shares	12,829,605	12,438,863
	412,333,188	357,236,441
Unamortized difference between cost and selling price of securities exchanged to obtain a higher yield (Note 3)	$ -	$ (1,515)
	$430,763,834	$372,485,691

Liabilities and Fund Equity

Bank overdraft	$ -	$ 517,785
Accounts payable	3,019,067	2,657,295
Fund equity	427,744,767	369,310,611
	$430,763,834	$372,485,691

NOVA SCOTIA TEACHERS' PENSION FUND
STATEMENT OF CONTINUITY OF FUND
FOR THE YEAR ENDED MARCH 31, 1984

	1984	1983
Balance, beginning of year	$369,310,611	$318,305,552
Add:		
Teachers' contributions	$ 22,160,064	$ 19,595,698
Government contributions	22,160,064	19,595,698
Purchase of prior service	772,471	576,367
Transfers from other pension funds	558,916	654,465
Income earned on investments	43,304,431	37,819,001
Amortization of discount and premium on investments	280,635	65,627
	$ 89,236,581	$ 78,306,856
Deduct		
Expenses (Note 4)	$ 239,759	$ 205,104
Pensions paid	29,258,069	25,559,531
Refund of contributions	873,479	1,193,254
Transfers to other pension funds	450,783	260,295
Amortization of difference between cost and selling price of securities exchanged to obtain a higher yield (Note 3)	(19,665)	83,613
	$ 30,802,425	$ 27,301,797
Balance, end of year	$427,744,767	$369,310,611

NOVA SCOTIA TEACHERS' PENSION FUND
NOTES TO FINANCIAL STATEMENTS
MARCH 31, 1984

1. Teachers' Pension Plan

Teachers in the Province are entitled to receive pension benefits pursuant to the provisions of a plan established under the Teachers' Pension Act. The operation of the plan is conducted within the Teachers' Pension Fund to which teacher and employer matching contributions and investment income are credited and payments to pensioners and terminating teachers are charged. The Teachers' Pension Fund is invested in federal, provincial, municipal and corporate securities and mortgages eligible for investment under the Provincial Finance Act.

2. Valuation of Investments

Bonds and debentures of $376,416,793 are valued at cost adjusted for the amortization of discounts and premiums over the life of the related security. The face value and the market value of these bonds and debentures as at March 31, 1984, were $379,996,000 (1983: $324,575,000) and $329,574,880 (1983: $300,787,237) respectively. Generally, investments in bonds and debentures are made with the intention to retain them until maturity at which time they are redeemed for their face value, unless there is an opportunity to exchange or dispose of the bonds and debentures to obtain a higher yield.

Mortgages of $5,680,015 are valued at cost adjusted for amortization of premiums and discounts over seven years. The face value of mortgages held at March 31, 1984, was $5,680,007.

Short term investments are valued at a cost of $17,406,775 at March 31, 1984. The face value of these short term investments was $17,500,000.

Common and preferred shares are valued at a cost of $12,829,605 (1983: $12,438,863) at March 31, 1984. The market value of these equity investments at that date was $19,371,183 (1983: $19,354,296).

3. Gains and Losses on Investments

Gains and losses on bonds and debentures exchanged to obtain a higher yield are capitalized and amortized over the lesser of seven years or the remaining life of the bond or debture.

Gains and losses on disposals of common and preferred shares are credited or charged to income in the year of disposition.

4. Administration Expenses

The fund is charged with expenses of the Teachers' Penion section of the Department of Education as detailed below.

	1984	1983
Salaries	$144,178	$125,905
Supplies and services	90,617	72,565
Travel	4,059	5,316
Other	905	1,318
	$239,759	$205,104

The costs of the management of the investments, as carried out by the Trusts and Debt Management section of the Department of Finance, are borne by the Province and are not reflected in these financial statements.

5. **Actuarial Valuation**

The Teachers' Pension Act requires that the fund be examined by an actuary every five years. The most recent valuation was made as of July 31. 1979, in an actuarial report received in May, 1981. The report indicates fund liabilities at July 31, 1979, after taking into consideration changes made in the plan in 1980, totalled $679,532,000 of which $221,589,000 was represented by the actuarial value of the fund assets, and $457,943,000 was unfunded.

NUMBER OF TEACHER-PENSIONERS

1928 Act

	On Pension July 31, 1983	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1984
Service Pensions - Men	-	-	-	-	-
Service Pensions - Women	6	-	-	-	6
Disability Pensions - Men	-	-	-	-	-
Disability Pensions - Women	20	-	2	-	18
Dependents' Pensions	2	-	-	-	2
Subtotal	28	-	2	-	26

1949 Act

	On Pension July 31, 1983	Number Added	Deaths	Resumed Teaching	Number on Pension July 31, 1984
Service Pensions - Men	369	36	11	-	394
Service Pensions - Women	1812	105	43	-	1874
Reduced Service - Men	69	6	2	-	73
Reduced Service - Women	779	20	19	-	780
Disability Pension (Total) - Men	43	7	2	-	48
Disability Pension (Total) - Women	138	5	5	-	138
Disability Pension (Partial) - Men	36	2	-	-	38
Disability Pension (Partial) - Women	156	3	3	-	156
Spouse's Pensions	323	42	8	-	357
Subtotal	3725	226	93	-	3858
Total	3753	226	95	-	3884

1928 Decrease 2
1949 Increase 133

NOVA SCOTIA SCHOOL BOOK BUREAU
STATEMENT OF OPERATIONS
FISCAL YEAR APRIL 1, 1983 TO MARCH 31, 1984

Disbursements		
Purchase of Learning Materials	$ 4,806,104	
Freight and Mailing Costs	92,854	
Salaries	320,474	
Other	64,046	
		$ 5,283,478
Receipts		
Sales		$ 265,421
Inventories		
On Hand, March 31, 1983		$ 514,619
On Hand, March 31, 1984		$ 535,808
Quantity of Textbooks and Material Distributed		
Textbooks, Primary to Grade 6	595,000	
Textbooks, Grades 7 - 12	400,000	
Textbooks, Special Education/Specialized Reading	55,000	
Textbooks, Acadiennes	18,000	
Textbooks, Miscellaneous	22,000	
Career Education Materials	65,000	
		$ 1,155,000
P & R Releases, Education N.S., Others	95,000	
Cumulative Record Cards	25,000	
Teaching Guides, Curriculum Bulletins	18,000	
Miscellaneous	680,000	
		818,000

TOTAL ENROLMENTS — UNIVERSITIES AND COLLEGES

(Full-time students and the full-time equivalent of part-time students)

	1983-84	1982-83
(a) Degree students		
Acadia University	3,711	3,495
Atlantic Institute of Education	-	46
Atlantic School of Theology	131	100
Dalhousie University	6,698	6,428
Mount Saint Vincent University	2,292	2,094
Nova Scotia Agricultural College	244	219
Nova Scotia College of Art and Design	575	520
Nova Scotia Teachers College	509	548
Saint Francis Xavier University	2,640	2,600
Saint Mary's University	3,855	3,504
Technical University of Nova Scotia	1,137	937
University College of Cape Breton	1,561	1,270
Université Sainte-Anne	271	255
University of King's College	497	455
Total — Degree students	26,121	24,471
(b) Technical students		
Nova Scotia Agricultural College	220	255
Nova Scotia Land Survey Institute	113	127
University College of Cape Breton	650	593
Total — Technical students	983	975
Total — All Students	27,104	25,446

ASSISTANCE TO UNIVERSITIES

Operating Grants	1983-84	1982-83
Acadia University	$ 14,369,893	$ 13,170,454
Atlantic Institute of Education	-	1,293,899
Atlantic School of Theology	608,208	549,952
Dalhousie University	65,831,680	61,460,820
Mount Saint Vincent University	7,339,740	6,790,366
Nova Scotia Agricultural College	2,300,000	1,756,010
Nova Scotia College of Art and Design	3,326,468	3,082,238
Nova Scotia Land Survey Institute	489,100	486,400
Nova Scotia Teachers College	4,382,008	4,300,404
Saint Francis Xavier University	11,268,929	10,608,772
Saint Mary's University	11,994,984	11,342,345
Technical University of Nova Scotia	11,423,290	8,684,460
University College of Cape Breton	8,099,142	7,653,994
Université Sainte-Anne	1,761,010	1,694,930
University of King's College	1,342,315	1,205,370
	$144,536,777	$134,062,414
Foreign Student Recoveries	$ 2,247,383	$ 1,712,025
Non-Space, Alterations and Renovations Grants	$ 2,371,342	$ 2,974,985
University Debt Charges Grants	$ 9,074,104	$ 9,084,310
Recoveries From Other Atlantic Provinces	$ 6,401,250	$ 6,139,329

STUDENT AID
1982-83; 1983-84

	1983-84	1982-83
Assistance Awarded		
Canada Student Loan	$32,305,082	$19,610,615
Nova Scotia Bursary	7,386,000	7,257,564
	$39,691,082	$26,868,179
Students Assisted		
Canada Student Loan	11,551	10,294
Nova Scotia Bursary	6,465	6,567
Average Aid per Student		
Canada Student Loan	$ 2,797	$ 1,905
Nova Scotia Bursary	$ 1,142	$ 1,105
Average total aid per student	$ 3,436	$ 2,610

CONTINUING EDUCATION ENROLMENTS
1983-84

Programs/Activities	Number of Programs/Activities	Number of Enrolments/Participants
Community Schools	74	39,200
Volunteer Reading Aide Workshops	17	237
Small Business Management	45	686
Senior Citizen Seminars	15	1,127
Pre-Retirement Seminars	31	768
General Educational Development Tests	45	3,200
Public School Programs	2,106	26,679
Totals	2,333	71,897

CONTINUING EDUCATION, 1983-84
PUBLIC SCHOOL PROGRAM

Subject Classification	Classes	Enrolments
High School Credit	171	2,484
Adult Basic Education	84	936
Accelerated Program	40	617
Sewing	200	2,109
Conversational French	112	1,195
G.E.D. Preparatory	163	1,918
Vocational	928	12,235
English Classes for Refugees (Department of Labour and Manpower)	5	166
Part-Time Apprenticeship (Department of Labour and Manpower)	19	360
Other	364	4,657
Totals	2,106	26,679

STUDENTS SPONSORED BY CANADA EMPLOYMENT AND IMMIGRATION AND CANADA CORRECTIONAL SERVICES 1983-1984

By Institutions	Male	Female	Total
1. Dartmouth and Cape Breton Adult Vocational Training Centres and Modules	1,959	1,552	3,511
2. Other Training Institutions operated by the Department of Education, Government of Nova Scotia			
(a) N.S. Institute of Technology - Halifax	1,536	136	1,672
(b) N.S. Nautical Institute - Halifax	805	37	842
(c) N.S. Land Survey Institute - Lawrencetown	76	15	91
(d) Miscellaneous	352	95	447
3. Other Training Institutions operated by Canada Correctional Service - Springhill Medium Security Institution	590	-	590
4. Other Training Institutions			
(a) University College of Cape Breton	578	3	581
(b) Private Schools	238	159	397
(c) Others	48	5	53
Totals	6,182	2,002	8,184

By Course			
Vocational	5,033	998	6,031
Vocational Preparatory			
(a) Basic Training for Skill Development (including Generic)	803	501	1,304
(b) Job Readiness Training	236	333	569
(c) Career Exploration for Women	-	170	170
(d) GED Preparatory	50	-	50
(e) Life Skills	48	-	48
(f) Social Skills	12	-	12
Totals	6,182	2,002	8,184

By Trainees			
Federal*	5,592	2,002	7,594
Canada Correctional Services	590	-	590
Totals	6,182	2,002	8,184

*(Including 1,942 indentured apprentices 1,890 men and 52 women)

NOVA SCOTIA INSTITUTE OF TECHNOLOGY
ENROLMENTS AUGUST 1, 1983 - JULY 31, 1984

(The number in parenthese indicates the number of females included in the number immediately preceding.)

	On Roll Aug. 1 1983	Manpower Students Enrolled	Total Enrolled	Completed	On Roll July 31 1984
Applied Arts & Technology Courses					
Construction Administration Tech.					
1st. year			20 (1)	20 (1)	
2nd. year			15	10	
Dental Assisting - 1 year			36 (36)	36 (36)	
Dental Technology					
1st. year			6 (5)	6 (5)	
2nd. year			6 (5)	6 (5)	
Electrical Eng. Technology					
1st. year			17	6	
2nd. year			4	3	
Electronics Eng. Technology					
1st. year			41 (1)	22 (1)	
2nd. year			36	30	
Mechanical Eng. Technology					
1st. year			14	8	
2nd. year			13	12	
Food Service Technology					
1st. year			15 (13)	11 (10)	
2nd. year			6 (6)	6 (6)	
Medical Lab. Technology					
1st. year			65 (55)	54 (46)	
2nd. year	50 (45)		92 (80)	50 (45)	42 (35)
Nuclear Medicine Technology					
1st. year			5 (3)	8 (3)	
2nd. year			8 (8)	8 (8)	
Petroleum Resources Tech.					
1st. year			20 (1)	14 (1)	
2nd. year			21 (4)	14 (3)	
Process Operations - 1 year			17	10	
Total — Technology Courses	50 (45)		460 (218)	334 (170)	42 (35)

NOVA SCOTIA INSTITUTE OF TECHNOLOGY
ENROLMENTS AUGUST 1, 1983 - JULY 31, 1984
(continued)

	On Roll Aug. 1 1983	Manpower Students Enrolled	Total Enrolled	Completed	On Roll July 31 1984
Apprenticeship Courses					
Bricklaying - Modular		27	27	26	
Carpentry					
Pre-Employment		12 (2)	12 (2)	11 (1)	
Block Release		103	103	103	
Modular		192 (3)	192 (3)	178 (2)	
Cooking					
Pre-Employment		33 (12)	33 (12)	21 (8)	
Block Release		84 (23)	84 (23)	79 (23)	
Modular		56 (16)	56 (16)	47 (12)	
Electrical Construction					
Block Release		167 (1)	167 (1)	163 (1)	
In Plant		118	118	118	
Laid Off Apprentices		30	30	25	
Machinist					
Pre-Employment		15 (3)	15 (3)	15 (3)	
Block Release		58	58	58	
M.V.R. (Mechanical					
Block Release		240 (1)	240 (1)	236 (1)	
Oil Burner Servicing					
Pre-Employment		15	15	14	
Block Release		51	51	50	
Plumbing - Block Release		86	86	85	
Refrigeration & Air Cond.					
Block Release		30	30	30	
Sheet Metal - Block Release		15	15	15	
Sprinkler Fitter					
Block Release		39	39	38	
Stationary Engineers					
Block Release		104	104	101	
Total — Apprenticeship Courses		1475 (61)	1475 (61)	1413 (51)	

NOVA SCOTIA INSTITUTE OF TECHNOLOGY
ENROLMENTS AUGUST 1, 1983 - JULY 31, 1984
(continued)

	On Roll Aug. 1 1983	Manpower Students Enrolled	Total Enrolled	Completed	On Roll July 31 1984
Other Courses					
Business Computer Programming	32 (8)	27 (7)	59 (15)	30 (8)	21(7)
Computer Technology	10	31	41	16	13
Electronics Engineering Technician		20	20		12
Introduction to Trades Training for Women		34 (34)	34 (34)	30 (30)	
Pre-Technology for Women		27 (27)	27 (27)	19 (19)	
Radio Announcing	7	7	7	7	
Solid State Update (C.A.F.)			46	45	
Welding Engineering Technician		21	21		16
Total — Other Courses	49 (8)	167 (68)	255 (76)	147 (57)	62(7)
Summary					
Applied Arts & Technology Courses	50 (45)		460 (218)	334 (170)	42 (35)
Apprenticeship Courses		1475 (61)	1475 (61)	1413 (51)	
Other Courses	49 (8)	167 (68)	255 (76)	147 (57)	62(7)
Total — All Courses	99 (53)	1642 (129)	2190 (355)	1894 (278)	104 (42)

CORRESPONDENCE COURSES
STATISTICAL SUMMARY, 1983-84

Grade - Subject	Registration During Year	Completions During Year	Enrolments at Year End
Grade 1	0	0	0
Grade 2	2 (2)	3 (3)	2 (2)
Grade 3	4 (1)	1	3 (2)
Grade 4	2 (2)	1	2 (1)
Grade 5	3 (1)	2 (1)	3
Grade 6	7 (1)	4	7 (2)
Grade 7	17 (9)	6 (4)	10 (5)
French 7	2 (1)	3 (2)	0
Grade 8	31 (17)	9 (4)	27 (17)
French 8	13 (7)	3 (3)	8 (4)
9 English	48 (18)	7 (3)	40 (13)
9 Latin	8 (7)	2 (2)	7 (6)
9 French	20 (12)	3 (2)	2
9 Mathematics	61 (33)	13 (4)	47 (25)
9 History	33 (18)	12 (8)	36 (20)
9 Geography	28 (15)	6 (5)	21 (12)
9 Science	36 (19)	10 (5)	27 (17)
9 Health	22 (12)	7 (5)	15 (9)
University Preparatory			
421 English	63 (34)	23 (6)	47 (25)
421 Latin	7 (3)	0	4 (3)
421 French	26 (16)	4 (1)	21 (12)
421 Algebra	1	0	1
421 Geometry	2 (1)	2 (1)	0
421 Mathematics	120 (68)	6 (3)	87 (46)
421 History	40 (26)	18 (10)	25 (16)
421 Geography	46 (28)	7 (5)	26 (17)
421 Biology	48 (31)	8 (6)	47 (31)
421 German	1 (1)	0	0
321 Typing	10 (9)	5 (5)	7 (6)
321 Canada Studies	39 (21)	11 (8)	27 (16)
431 Physics	76 (14)	4 (1)	55 (8)
431 Mathematics	121 (50)	7 (4)	67 (21)
431 English	92 (37)	26 (16)	57 (24)
431 Latin	0	0	0
431 French	15 (12)	7 (5)	8 (7)
431 German	0	0	0
431 Algebra	8 (5)	1	2
431 Geometry	9 (5)	3 (2)	1
431 History	35 (19)	9 (7)	20 (9)
431 Geography	56 (34)	10 (7)	39 (24)
331 Economics	53 (27)	24 (16)	31 (15)

CORRESPONDENCE COURSES
STATISTICAL SUMMARY, 1983-84
(continued)

Grade - Subject	Registration During Year	Completions During Year	Enrolments at Year End
University Preparatory (Continued)			
441 Latin	2	0	1
441 English	98 (53)	17 (10)	58 (34)
441 French	27 (20)	8 (7)	15 (9)
441 Algebra	159 (70)	12 (5)	73 (37)
441 Trigonometry	152 (66)	12 (5)	95 (33)
441 History	81 (49)	20 (15)	53 (29)
341 Mod. World Prob.	39 (23)	7 (3)	23 (15)
341 Accounting	107 (69)	23 (17)	84 (48)
441 Biology	79 (53)	18 (12)	60 (46)
General Program			
221 English	36 (18)	8 (6)	29 (13)
221 Mathematics	65 (40)	18 (13)	55 (34)
231 English	43 (21)	4 (3)	35 (3)
231 History	33 (19)	19 (17)	17 (10)
231 Phys. Science	22 (7)	4 (2)	2 (2)
231 Mathematics	58 (27)	13 (8)	6 (6)
Totals: 1983/84	2225 (1167)	460 (284)	1433 (734)
Totals: 1982/83	2396 (1180)	445 (270)	1627 (859)
Technical Courses			
Pre-Technical Math	139 (9)	17 (2)	108 (17)
Blueprint Reading	12 (1)	0	5
Mech. Drafting I	15 (2)	0	15 (4)
Mech. Drafting II	2	0	3
Arch. Drafting I	22 (7)	6	18 (6)
Arch. Drafting II	6	1	3
Arch. Drafting III	5	1	3
Plane Surveying I	4	3	4
Plane Surveying II	1	0	1
Coastal Navigation	15 (2)	2	11 (2)
Boolean Algebra	5 (1)	3	3
Organic Chemistry	8 (1)	0	10 (3)
Phys. Chemistry	16 (13)	2	19 (15)
Metric System	3	3	0
General Math I	5	0	3 (1)
General Math II	3	0	4 (1)
Elem. Bookkeeping	31 (20)	9 (8)	27 (17)
Showcard Writing I	10 (3)	0	8 (3)
Showcard Writing II	0	0	0
Advertising	8 (3)	2 (1)	10 (5)
Totals: 1983/84	310 (63)	49 (11)	255 (76)
Totals: 1982/83	349 (105)	92 (23)	240 (89)

Note - The numbers in brackets indicate the number of females included in the totals.

NOVA SCOTIA LAND SURVEY INSTITUTE
STATISTICAL SUMMARY, 1983-84

1. The following enrolments and graduations occurred wholly within the period August 1, 1983 to July 31, 1984:

	Enrolled/ Transfer	Withdraw/ Transfer	Failures/ Elig for Supps	Supps	Graduated
Cartography	15 (2)	1 /	/ 2 (1)	1 (1)	13 (2)
Planning					
1st Year	9 (4)	1 /	1 (1) / 2 (1)		5 (2)
2nd Year	7 (2)		2 / 2		3 (2)
Survey					
1st Year	12 (3)	1 / 1	/ 5 (1)		5 (2)
2nd Year	16 (2)	1 /	/ 6 (1)	1	10 (1)
Survey Assistant	10 (1)				10 (1)
Survey Drafting	/ 4 (1)				4 (1)
Survey Office Technician	18 (2) / 1	5 (1) / 4 (1)	/ 3		7
Totals	87(16)/5(1)	9 (1) / 5 (1)	3 (1)/ 20 (4)	2 (1)	57 (11)

*Students from previous years who were awarded diplomas/certificates because of successful completion of supplementary examinations.

Note: Enrolments/Transfers - Withdrawals/Transfers - Failures/Eligible for Supps + Supps = Graduates

2. Scientific Computer Programming and Remote Sensing classes were enrolled in September 1982. These classes graduated in August 1983:

	Enrolment	Withdrawals	Failures	Graduates
Scientific Computer	23 (3)	1		22 (3)
Remote Sensing	12 (3)		2	10 (3)

3. The current SCP class of 20(6) was enrolled in September, 1983 and will graduate on August 21, 1984.

The current RS class of 10(1) was enrolled in September, 1983 and will graduate on August 21, 1984.

The number in brackets denotes the number of females included in the total.

NOVA SCOTIA NAUTICAL INSTITUTE
JULY 1983 to JUNE 1984

Course	Manpower Students Enrolled	Other	Total Enrolled	Completed Courses
Marine Engineering				
Marine Engineer, 1st. Class	5	13	18	5
Marine Engineer, 2nd. Class	24	17	41	1
Marine Engineer, 3rd. Class	16	22	38	11
Marine Engineer, 4th. Class	15	4	19	15
Basic Marine Engineer Cadet	15	-	15	12
Electrician - Coast Guard	-	7	7	6
Marine Option - N.S.I.T.	-	5	5	5
Subtotal	75	68	143	55
Marine Navigation				
Master Mariner	2	21	23	7
Ocean Navigation I	26	24	50	16
Ocean Navigation II	51	35	86	21
Command Endorsement	19	2	21	6
Watchkeeping Mate	97	18	115	65
Fishing Class IV	2	-	2	1
Ferry Small Run	1	-	1	1
Fishing Class II	1	-	1	-
Seaman New Entry	45	14	59	53
Basic Navigation Cadet	17	4	21	16
Riggers I & M	31	-	31	24
Subtotal	292	118	410	212
Simulated Electronic Navigation I	72	18	90	86
Simulated Electronic Navigation I Part B	16	-	16	16
Simulated Electronic Navigation II	25	35	60	59
Subtotal	113	53	166	161
MED I	-	24	24	24
Survival	620	426	1046	1031
MED II LifeBoat	578	395	973	970
Firefighting	746	391	1137	1135
MED III	72	126	198	197
Subtotal	2016	1338	3354	3333
Grand Totals	2496	1577	4073	3761